POWER ENGINEERS

POWER ENGINEERS, INC.
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AUSTIN, TX 78746 USA

PHONE 512-329-5544
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November 15, 2019

Mr. Jesse Chacon
Texas Commission on Environmental Quality
Air Permits Initial Review Team (APIRT), MC 161
12100 Park 35 Circle, Building C, Third Floor
Austin, TX 78753

via Hand Delivery

Subject: Federal Operating Permit Revision/Renewal Application
City of Austin dba Austin Energy
Decker Creek Power Plant
Permit No. O-22, Regulated Entity No. RN100219872

Dear Mr. Chacon:

On behalf of Austin Energy, POWER Engineers is submitting the attached application to revise and renew Federal Operating Permit No. O-22 for the Decker Creek Power Plant. The due date for the permit renewal application is April 28, 2020. Because Mr. Alfredo Mendoza is very familiar with Austin Energy's operations, we kindly request that you route this application to Mr. Mendoza for review.

If you have any questions or need additional information, please contact Mr. Ravi Joseph of Austin Energy at (512) 322-6284 or ravi.joseph@austinenergy.com, or me at (512) 879-6649 or edward.rapier@powereng.com.

Sincerely,

Edward Rapier
Project Manager

Enclosure: Federal Operating Permit Revision/Renewal Application

c: Ravi Joseph, City of Austin
Elijah Gandee, TCEQ Region 11
EPA Region 6 (via email)

Application to Renew Federal Operating Permit No. O22

PREPARED FOR: AUSTIN ENERGY
PREPARED BY: POWER ENGINEERS, INC

TABLE OF CONTENTS

1.0 INTRODUCTION

The City of Austin (dba Austin Energy) owns and operates the Decker Creek Power Plant, which generates electrical power from eight simple-cycle gas turbines and two boilers. Austin Energy is submitting the following application to both renew and revise Federal Operating Permit (FOP) No. O22.

The following documentation is provided with the application: all required TCEQ FOP application forms, including forms addressing application certification, administrative information, and proposed potentially applicable requirements. The applicable requirements that are listed on the Form OP-REQ3, Applicable Requirements Summary, are intended to completely replace the citations listed in the FOP's Applicable Requirements Summary table rather than being additions to the FOP. Minor changes are proposed to the applicable requirements for some of the emission units and the applicable requirements for one SOP Index Number has been removed. These provisional changes are so indicated on Table 2 of form OP-2. This renewal also adds permit shields for two regulations as detailed on Form OP-REQ2. Three of the Periodic Monitoring options have been changed – one has been removed because the driving rule no longer applies (indicated on Form OP-MON Table 2c), and the deviation limit has been changed for two others (indicated on Form OP-MON Table 1c). Finally, two form OP-CRO2's are included to update the title of Kathleen Garrett, who is the Responsible Official and the Designated Representative.

2.0 LIST OF FORMS IN ORDER OF ATTACHMENT

OP-CRO1

OP-CRO2

OP-ACPS

OP-1

OP-2

OP-REQ1

OP-REQ2

OP-REQ3

OP-UA2

OP-UA4

OP-UA6

OP-UA11

OP-UA15

OP-AR1

OP-MON and supporting information

Alternative Monitoring Method for New Source Performance Standard Subpart D for Emission Unit D-2

FORM OP-CRO1

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN100219872	CN: CN600135198	Account No.: TH-0004-D
Permit No.: O22	Project No.: TBA	
Area Name: Decker Creek Power Plant	Company Name: City of Austin	

II. Certification Type *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Kathleen Garrett *(Certifier Name printed or typed)* certify that I am the RO *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ *Start Date* to _____ *End Date*

Specific Dates: 11/15/2019 *Date 1* _____ *Date 2* _____ *Date 3* _____ *Date 4* _____ *Date 5* _____ *Date 6*

Signature: Kathleen Garrett Signature Date: 11/15/2019

Title: Interim Director of Power Plant Operations

Form OP-CRO1
Certification by Designated Representative
Acid Rain, Cross-State Air Pollution Rule (CSAPR)

All initial permit application, permit revision, and renewal submittals requiring certification must be accompanied by this form. Updates to acid rain or CSAPR (other than public notice verification materials) must be certified prior to authorization of public notice for the draft permit.

I. Identifying Information		
RN: RN100219872	CN: CN600135198	Account No: TH-0004-D
Permit No.: O22	Project No.: TBA	
Area Name: Decker Creek Power Plant	Company Name: City of Austin	

II. Certification Type *(Please mark the appropriate box)*

☒ Designated Representative ☐ Alternated Designated Representative

III. Requirement and Submittal Type *(Please mark the appropriate box for each column)*

Requirement: ☒ Acid Rain Permit ☒ CSAPR

Submittal Type: ☐ Initial Permit Application ☐ Update to Permit Application
☒ Permit Revision or Renewal ☐ Other:_____

IV. Certification of Truth

I, Kathleen Garrett, the DR
(Name printed or typed) *(DR or ADR)*

am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment. The above certification is for the statements and information dated during the time period or on the specific date(s) below:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ to _____
Start Date *End Date*

Specific Dates: 11/15/2019
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: Kathleen Garrett Signature Date: 11/15/2019

Title: Interim Director of Power Plant Operations

FORM OP-CRO2

Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

The Texas Commission on Environmental Quality (TCEQ) shall be notified of a new appointment or administrative information change (e.g., address, phone number, title) for a Responsible Official (RO), Designated Representative (DR), or Alternate Designated Representative (ADR) in the next submittal. **Send this completed form to the TCEQ Central Office to the attention of the Air Permits Division.** This form satisfies the requirements for notification (a revised Certificate of Representation must also be submitted to the U.S. Environmental Protection agency for changes in the DR and ADR). *After the initial submittal, if there is a change of Duly Authorized Representative (DAR) appointment or administrative information changes for the DAR, include a revised Form OP-DEL (Delegation of Responsible Official) with the next submittal to the TCEQ.*

I. Identifying Information		
Account No.: TH-0004-D	RN: RN100219872	CN: CN600135198
Permit No.: O22	Area Name: Decker Creek Power Plant	
Company Name: City of Austin		
II. Change Type		
Action Type:	☐ New Appointment	☒ Administrative Information Change
Contact Type *(only one response can be accepted per form)*:		
☒ Responsible Official	☐ Designated Representative	☐ Alternate Designated Representative
III. Responsible Official/Designated Representative/Alternate Designated Representative Information		
Conventional Title: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)		
Name: Kathleen Garrett		
Title: Interim Director of Power Plant Operations	Appointment Effective Date: 11/5/2019	
Telephone No.:	Fax No.:	
Company Name:		
Mailing Address:		
City:	State:	ZIP Code:
E-mail Address:		
IV. Certification of Truth, Accuracy, and Completeness		

This certification does not extend to information, which is designated by the TCEQ as information for reference only.

I, Kathleen Garrett, certify that, based on information
(Name printed or typed)

and belief formed after Reasonable inquiry, the statements and information stated above are true, accurate, and complete.

Signature: Kathleen Garrett Signature Date: 11/5/2019

Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

The Texas Commission on Environmental Quality (TCEQ) shall be notified of a new appointment or administrative information change (e.g., address, phone number, title) for a Responsible Official (RO), Designated Representative (DR), or Alternate Designated Representative (ADR) in the next submittal. **Send this completed form to the TCEQ Central Office to the attention of the Air Permits Division.** This form satisfies the requirements for notification (a revised Certificate of Representation must also be submitted to the U.S. Environmental Protection agency for changes in the DR and ADR). *After the initial submittal, if there is a change of Duly Authorized Representative (DAR) appointment or administrative information changes for the DAR, include a revised Form OP-DEL (Delegation of Responsible Official) with the next submittal to the TCEQ.*

I. Identifying Information		
Account No.: TH-0004-D	RN: RN100219872	CN: CN600135198
Permit No.: O22	Area Name: Decker Creek Power Plant	
Company Name: City of Austin		
II. Change Type		
Action Type:	☐ New Appointment	☒ Administrative Information Change
Contact Type *(only one response can be accepted per form)*:		
☐ Responsible Official	☒ Designated Representative	☐ Alternate Designated Representative
III. Responsible Official/Designated Representative/Alternate Designated Representative Information		
Conventional Title: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)		
Name: Kathleen Garrett		
Title: Interim Director of Power Plant Operations	Appointment Effective Date: 11/5/2019	
Telephone No.:	Fax No.:	
Company Name:		
Mailing Address:		
City:	State:	ZIP Code:
E-mail Address:		
IV. Certification of Truth, Accuracy, and Completeness		

This certification does not extend to information, which is designated by the TCEQ as information for reference only.

I, Kathleen Garrett, certify that, based on information
(Name printed or typed)

and belief formed after Reasonable inquiry, the statements and information stated above are true, accurate, and complete.

Signature: Kathleen Garrett Signature Date: 11/5/2019

Form OP-CRO2
Change of Responsible Official (Extension)
Federal Operating Permit Program

V. Additional Identifying Information		
Account No.: TH-0760-E	RN: RN100215052	CN: CN600135198
Permit No.: O2393	Area Name: Sand Hill Energy Center	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
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Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	

FORM OP-ACPS

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 11/15/2019	**Regulated Entity No.:** RN100219872	**Permit No.:** O-22
Company Name: City of Austin dba Austin Energy	**Area Name:** Decker Creek Power Plant	

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

Part 1

A.	**Compliance Plan — Future Activity Committal Statement**	
The *Responsible Official* commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.		
B.	**Compliance Certification - Statement for Units in Compliance*** **(Indicate response by entering an "X" in the appropriate column)**	
1.	With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ YES ☐ NO
2.	Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ NO
3.	If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)*	
*	*For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.* *For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.* *Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.*	

FORM OP-1

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 1)

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250. Address written inquiries to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I.	**Company Identifying Information**							
A.	Company Name: City of Austin dba Austin Energy							
B.	Customer Reference Number (CN): CN600135198							
C.	Submittal Date *(mm/dd/yyyy):* 11/15/2019							
II.	**Site Information**							
A.	Site Name: Decker Creek Power Plant							
B.	Regulated Entity Reference Number (RN): RN100219872							
C.	Primary Account Number for Site: TH-0004-D							
D.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*							
AR ☐ CO ☐ KS ☐ LA☐ NM ☐OK ☐ N/A ☒								
E.	Indicate all pollutants for which the site is a major source based on the site's potential to emit:							
Pollutant	**VOC**	**NO_X**	**SO_2**	**PM_{10}**	**CO**	**Pb**	**HAPS**	**Other** ☐
Major at the Site *(YES/NO)***:**	Yes	Yes	No	Yes	Yes	No	No	
F.	Is the site a non-major source subject to the Federal Operating Permit Program?							☐ YES ☒ NO
G.	Is the site within a local program area jurisdiction?							☒ YES ☐ NO
H.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?							☐ YES ☒ NO
I.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:							
III.	**Permit Type**							
A.	Type of Permit Requested: *(Select only one response)*							
Site Operating Permit (SOP) ☒ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP) ☐								
IV.	**Initial Application Information** *(Complete for Initial Issuance Applications only.)*							
A.	Is this submittal an abbreviated or a full application?							☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?							☐ YES ☐ NO
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?							☐ YES ☐ NO
D.	Has a copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)							☐ YES ☐ NO

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)

V. Confidential Information		
A. Is confidential information submitted in conjunction with this application?		☐ YES ☒ NO
VI. Responsible Official (RO)		
A. RO Name: (☐ Mr. ☒ Mrs. ☐ Ms. ☐ Dr.) Kathleen Garrett		
B. RO Title: Interim Director of Power Plant Operations		
C. Employer Name: Austin Energy		
D. Mailing Address: 721 Barton Springs Road		
City: Austin	State: TX	ZIP Code: 78704
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.: 512-505-3758		
G. Fax No.: 512-322-6280		
H. Email: Kathleen.garrett@austinenergy.com		
VII. Technical Contact Identifying Information *(Complete if different from RO.)*		
A. Technical Contact Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Ravi Joseph		
B. Technical Contact Title: Consulting Engineer		
C. Employer Name: Austin Energy		
D. Mailing Address: 721 Barton Springs Road		
City: Austin	State: TX	ZIP Code:
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.: 512-322-6284		
G. Fax No.: 512-322-6280		
H. Email: ravi.joseph@austinenergy.com		

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 3)

VIII.	**Reference Only Requirements** *(For reference only.)*	
A.	State Senator: Kirk Watson	
B.	State Representative: Sheryl Cole	
C.	Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ YES ☐ NO ☐ N/A
D.	Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
E.	Indicate the alternate language(s) in which public notice is required:	Spanish
IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*	
A.	Office/Facility Name: Austin Energy (Town Lake Center)	
B.	Physical Address: 721 Barton Springs Road	
City: Austin	State: TX	ZIP Code: 78704
Territory:	Country:	Foreign Postal Code:
C.	Physical Location:	
D.	Contact Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Ravi Joseph	
E.	Telephone No.: 512-322-6284	
X.	**Application Area Information**	
A.	Area Name: Decker Creek Power Plant	
B.	Physical Address: 8003 Decker Lane	
City: Austin	State: TX	ZIP Code: 78724
C.	Physical Location:	
D.	Nearest City:	
E.	State:	
F.	ZIP Code:	
G.	Latitude (nearest second): 30° 18' 13"	
H.	Longitude (nearest second): 97° 36' 46"	
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal?	☐ YES ☒ NO
J.	Indicate the estimated number of emission units in the application area: 14	
K.	Are there any emission units in the application area subject to the Acid Rain Program?	☒ YES ☐ NO

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 4)

XI. Public Notice *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*		
A. Name of public place to view application and draft permit: City Clerk's Office		
B. Physical Address: 301 West 2nd Street, Room 1120		
City: Austin	ZIP Code: 78701	
C. Contact Person (Someone who will answer questions from the public, during the public notice period):		
(☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.): Ravi Joseph		
D. Contact Mailing Address: 721 Barton Springs Road		
City: Austin	State: TX	ZIP Code: 78704
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.: 512-322-6284		
XII. Delinquent Fees and Penalties		
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."		
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.		
XIII. Designated Representative (DR) Identifying Information		
A. DR Name: (☐ Mr. ☒ Mrs. ☐ Ms. ☐ Dr.) Kathleen Garrett		
B. DR Title: Interim Director of Power Plant Operations		
C. Employer Name: Austin Energy		
D. Mailing Address: 721 Barton Springs Road		
City: Austin	State: TX	ZIP Code: 78704
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.: 512-505-3758		
G. Fax No.: 512-322-6280		
H. Email: Kathleen.garrett@austinenergy.com		

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 5)

XIV. Alternate Designated Representative (ADR) Identifying Information		
A. ADR Name: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
B. ADR Title:		
C. Employer Name:		
D. Mailing Address:		
City:	State:	ZIP Code:
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.:		
G. Fax No.:		
H. Email:		

FORM OP-2

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date: 11/15/2019	Permit No.: O-22	Account No.: TH-0004-D	Regulated Entity No.: RN100219872
Area Name: Decker Creek Power Plant	Company Name: City of Austin dba Austin Energy	Customer Reference No.: CN600135198	

For Submissions to EPA *(SOP renewal, minor revision, and significant revision application only)*

Has a copy of this application been submitted (or is being submitted) to EPA?	☒YES ❑ NO

I. Application Type

Indicate the type of application:

☒ Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	❑YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	❑YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:								

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 2

Date:	11/15/2019	**Permit No.:**	O22	**Account No.:**	TH-0004-D	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant	**Company Name:**	City of Austin			**Customer Reference No.:**	CN600135198

I. DESCRIPTION OF REVISION

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1		NO	D-1	OP-UA15	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 111, Visible Emissions.
2		NO	D-1	OP-UA6	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 117, Subchapter E, Division 1.
3	MS-C	NO	D-1	OP-MON	N/A	Removal of applicable requirements and associated Periodic Monitoring currently in the permit for Boiler D-1, SOP Index No. R2-1, for 30 TAC Chapter 112, Sulfur Compounds, because the boiler burns only natural gas, not fuel oil.
4	SIG-E	NO	D-1	OP-REQ2	N/A	Addition of a permit shield to document non-applicability of 40 CFR Part 63, Subpart JJJJJJ.
5		NO	D-2	OP-UA15	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 111, Visible Emissions.
6		NO	D-2	OP-UA6	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for: 30 TAC Chapter 112, Sulfur Compounds; or 30 TAC Chapter 117, Subchapter E, Division 1.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 2

Date:	11/15/2019	**Permit No.:**	O22	**Account No.:**	TH-0004-D	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant	**Company Name:**	City of Austin			**Customer Reference No.:**	CN600135198

I. DESCRIPTION OF REVISION

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
7	MS-C	NO	D-2	OP-UA6, OP-MON	N/A	Revise the Periodic Monitoring currently in the permit for Boiler D-2, SOP Index No. R2-1, for SO2, for 30 TAC Chapter 112, Sulfur Compounds, to change the numerical value and units of the Deviation Limit to a fuel sulfur concentration that demonstrates compliance with the emission standard, rather than the numerical value of the emission standard itself. The proposed fuel sulfur limit of 0.7% wt is based on the limit in New Source Review Permit No. 2696 for Boiler D-2, and is compliant with the emission standards in §112.9(a). Revise the Periodic Monitoring currently in the permit for Boiler D-2, SOP Index Nos. 60D-2 and 60D-3, for SO2, for 40 CFR Part 60, Subpart D, to change the numerical value and units of the Deviation Limit to a fuel sulfur concentration that demonstrates compliance with the emission standard, rather than the numerical value of the emission standard itself. The proposed fuel sulfur limit of 0.7% wt is based on the limit in New Source Review Permit No. 2696 for Boiler D-2, and is compliant with the emission standards in 60.43(a)(1) and §60.43(b). (Form OP-MON, Table 1c)
8	SIG-E	NO	D-2	OP-REQ2	N/A	Addition of a permit shield to document non-applicability of 40 CFR Part 63, Subpart JJJJJJ.
9	MS-C	NO	DCK-F1	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 40 CFR Part 63, Subpart ZZZZ.
10	MS-C	NO	DCK-F2	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 40 CFR Part 63, Subpart ZZZZ.
11		NO	DSLUNLD	OP-UA4	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 115, Loading and Unloading of VOC.
12	MS-C	NO	EM-1	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 40 CFR Part 63, Subpart ZZZZ.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 2

Date:	11/15/2019	**Permit No.:**	O22	**Account No.:**	TH-0004-D	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant	**Company Name:**	City of Austin			**Customer Reference No.:**	CN600135198

I. DESCRIPTION OF REVISION

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
13	MS-C	NO	EM-2	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 40 CFR Part 63, Subpart ZZZZ.
14	MS-C	NO	EM-3	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 40 CFR Part 63, Subpart ZZZZ.
15	MS-C	NO	EM-4	OP-UA2	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for: 40 CFR Part 60, Subpart IIII; and 40 CFR Part 63, Subpart ZZZZ.
16		NO	GRP-TKLORV	OP-UA15	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 115, Vent Gas Controls.
17		NO	GRP-TSTACK	OP-UA15	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 111, Visible Emissions.
18	MS-C	NO	GRP-TURB	OP-UA11	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. Provisional applicable requirements are listed on Form OP-REQ3 for 30 TAC Chapter 117, Subchapter E, Division 1.
19	SIG-E	NO	PAINT	OP-REQ2	N/A	Addition of a permit shield to document non-applicability of 40 CFR Part 63, Subpart HHHHHH.
20		NO	USEDLDG	OP-UA4	N/A	Submittal of Unit Attributes and Applicable Requirements on current forms. No changes to the applicable requirements currently in the permit for 30 TAC Chapter 115, Loading and Unloading of VOC.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date: 11/15/2019	Permit No.: O-22	Account No.: TH-0004-D	Regulated Entity No.: RN100219872
Area Name: Decker Creek Power Plant	Company Name: City of Austin dba Austin Energy		Customer Reference No.: CN600135198

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☒YES ❑ NO
B.	Indicate the alternate language(s) in which public notice is required: Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision	❑YES ☒ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions

FORM OP-REQ1

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

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Form OP-REQ1: Page 1			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter**		
	A. Visible Emissions		
♦	1.	The application area includes stationary vents constructed on or before January 31, 1972.	☒YES ☐NO
♦	2.	The application area includes stationary vents constructed after January 31, 1972. *If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.* *If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.*	☒YES ☐NO
♦	3.	The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	☐YES ☒NO
♦	4.	All stationary vents are addressed on a unit specific basis.	☐YES ☒NO
♦	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☒YES ☐NO
♦	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☐YES ☒NO
♦	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☒YES ☐NO
♦	8.	Emissions from units in the application area include contributions from uncombined water.	☒YES ☐NO
♦	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐YES ☒NO ☐N/A

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Form OP-REQ1: Page 2				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	B.	**Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots**		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.		
♦	a.	The application area is located within the City of El Paso.		☐YES ☒NO
♦	b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.		☐YES ☒NO
♦	c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.		☐YES ☒NO
♦	d.	The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.		☐YES ☒NO
		If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.		
	2.	Items a - d determine the specific applicability of these requirements.		
♦	a.	The application area is subject to 30 TAC § 111.143.		☐YES ☐NO
♦	b.	The application area is subject to 30 TAC § 111.145.		☐YES ☐NO
♦	c.	The application area is subject to 30 TAC § 111.147.		☐YES ☐NO
♦	d.	The application area is subject to 30 TAC § 111.149.		☐YES ☐NO
	C.	**Emissions Limits on Nonagricultural Processes**		
♦	1.	The application area includes a nonagricultural process subject to 30 TAC § 111.151.		☒YES ☐NO
	2.	The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. *If the response to Question I.C.2 is "NO," go to Question I.C.4.*		☐YES ☒NO
	3.	All vents from nonagricultural process in the application area are subject to additional monitoring requirements.		☐YES ☐NO

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Form OP-REQ1: Page 3			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	C.	**Emissions Limits on Nonagricultural Processes (continued)**	
	4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☒YES ☐NO
	5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.5 is "NO," go to Question I.C.7.*	☐YES ☒NO
	6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐YES ☒NO
	8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.8 is "NO," go to Section I.D.*	☐YES ☒NO
	9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	D.	**Emissions Limits on Agricultural Processes**	
	1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	☐YES ☒NO
	E.	**Outdoor Burning**	
♦	1.	Outdoor burning is conducted in the application area. *If the response to Question I.E.1 is "NO," go to Section II.*	☐YES ☒NO
♦	2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☐YES ☐NO
♦	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☐YES ☐NO
♦	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐YES ☐NO

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Form OP-REQ1: Page 4				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	E.	**Outdoor Burning (continued)**		
♦		5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☐YES ☐NO
♦		6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐YES ☐NO
♦		7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐YES ☐NO
II.	**Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds**			
	A.	**Temporary Fuel Shortage Plan Requirements**		
		1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☐YES ☒NO
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds**			
	A.	**Applicability**		
♦		1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.*	☒YES ☐NO
	B.	**Storage of Volatile Organic Compounds**		
♦		1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☒YES ☐NO

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Form OP-REQ1: Page 5			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	C.	**Industrial Wastewater**	
	1.	The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. *If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.*	☐YES ☐NO ☒N/A
	2.	The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. *If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.*	☐YES ☐NO
	3.	The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). *If the response to Question III.C.3 is "YES," go to Section III.D.*	☐YES ☐NO
	4.	The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). *If the response to Question III.C.4 is "YES," go to Section III.D.*	☐YES ☐NO
	5.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐YES ☐NO
	6.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐YES ☐NO
	7.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐YES ☐NO
	D.	**Loading and Unloading of VOCs**	
♦	1.	The application area includes VOC loading operations.	☒YES ☐NO
♦	2.	The application area includes VOC transport vessel unloading operations. *For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.*	☒YES ☐NO

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Form OP-REQ1: Page 6			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	D.	**Loading and Unloading of VOCs (continued)**	
♦	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	☐YES ☒NO
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO," go to Section III.F.*	☒YES ☐NO
♦	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐YES ☒NO
♦	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.*	☐YES ☒NO
♦	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO," go to Question III.E.9.*	☒YES ☐NO
♦	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☒YES ☐NO
♦	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐YES ☒NO
♦	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. *If the response to Question III.E.7 is "YES," go to Section III.F.*	☐YES ☒NO

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Form OP-REQ1: Page 7			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**	
♦	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.*	☐YES ☒NO
♦	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☒NO
♦	10.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☒NO
♦	11.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☒YES ☐NO
♦	12.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐YES ☒NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
♦	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A

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Form OP-REQ1: Page 8			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**	
♦	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐YES ☐NO ☐N/A
♦	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☐YES ☐NO
♦	3.	The application area includes facilities that began construction prior to November 15, 1992. *If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.*	☐YES ☐NO
♦	4.	The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☐YES ☐NO
♦	5.	The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☐YES ☐NO ☐N/A

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Form OP-REQ1: Page 9			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐YES ☐NO
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐YES ☐NO
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐YES ☐NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐YES ☒NO
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(a)(3)(A) or 115.427(b)(1) are performed in the application area.	☐YES ☐NO ☐N/A

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Form OP-REQ1: Page 10			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☒YES ☐NO ☐N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☒YES ☐NO ☐N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐YES ☒NO
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "NO," go to Section III.L.*	☐YES ☒NO
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☒YES ☐NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☒YES ☐NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☒YES ☐NO
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.*	☐YES ☐NO ☒N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "YES," go to Section III.M.*	☐YES ☐NO ☐N/A

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Form OP-REQ1: Page 11			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**	
♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐YES ☐NO ☐N/A
	M.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐YES ☐NO ☒N/A

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Form OP-REQ1: Page 12		
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)		
N. Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)		
1.	The application area includes one or more vent gas streams containing HRVOC.	☐YES ☐NO ☒N/A
2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.*	☐YES ☐NO ☒N/A
3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐YES ☐NO
4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.*	☐YES ☐NO
5.	The application area contains pressure relief valves that are not controlled by a flare.	☐YES ☐NO
6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☐YES ☐NO
7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐YES ☐NO
O. Cooling Tower Heat Exchange Systems (HRVOC)		
1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐YES ☐NO ☒N/A

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Form OP-REQ1: Page 13			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES," go to Question IV.H.1.*	☐YES ☒NO
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "YES," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.*	☒YES ☐NO
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "NO," go to Question IV.C.1.*	☐YES ☐NO
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐YES ☐NO

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Form OP-REQ1: Page 14			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.*	☐YES ☐NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☐YES ☐NO ☐N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐YES ☐NO
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐YES ☐NO ☐N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐YES ☐NO ☐N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.*	☐YES ☐NO
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐YES ☐NO
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐YES ☐NO

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Form OP-REQ1: Page 15			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐YES ☐NO
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐YES ☐NO
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.*	☐YES ☐NO
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐YES ☐NO
	8.	An ACSS for ammonia (NH_3) has been approved?	☐YES ☐NO
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.*	☒YES ☐NO
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐YES ☒NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.*	☐YES ☒NO
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐YES ☐NO

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Form OP-REQ1: Page 16		
V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**	
A.	**Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐YES ☒NO
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.*	☐YES ☒NO
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐YES ☐NO
B.	**Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**	
1.	The application area manufactures consumer products for sale or distribution in the United States.	☐YES ☒NO
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐YES ☒NO
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.*	☐YES ☒NO
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐YES ☐NO

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Form OP-REQ1: Page 17			
V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.*	☐YES ☒NO
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐YES ☐NO
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐YES ☒NO
	E.	**Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐YES ☐NO
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO," go to Section VII.*	☒YES ☐NO

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Form OP-REQ1: Page 18			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO," go to Section VI.C.*	☐YES ☒NO
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO," go to Section VI.C.*	☐YES ☐NO
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "YES," go to Section VI.C.*	☐YES ☐NO
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "NO," go to Section VI.C.*	☐YES ☐NO
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐YES ☐NO
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.*	☐YES ☐NO ☒N/A
♦	2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 is "NO," go to Section VI.D.*	☐YES ☐NO
♦	3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐YES ☐NO
♦	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐YES ☐NO

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♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 19			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐YES ☐NO
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO," go to Section VI.E.*	☐YES ☒NO ☐N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐YES ☐NO
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.*	☐YES ☒NO
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.*	☐YES ☐NO
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.*	☐YES ☐NO

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Form OP-REQ1: Page 20			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.*	☐YES ☐NO
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO," go to Section VI.G.*	☐YES ☒NO
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐YES ☐NO
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO," go to Section VI.H.*	☐YES ☒NO
	2.	The application area includes storm water sewer systems.	☐YES ☐NO

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Form OP-REQ1: Page 21			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)**	
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐YES ☐NO
	4.	The application area includes non-contact cooling water systems.	☐YES ☐NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO," go to Section VI.H.*	☐YES ☐NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐YES ☐NO
	7.	The application area includes completely closed drain systems.	☐YES ☐NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
♦	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.H.4 is "NO," go to Section VI.I.*	☐YES ☒NO

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Form OP-REQ1: Page 22			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)**	
♦	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5 is "NO," go to Question VI.H.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**	
♦	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐YES ☐NO

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For SOP applications, answer ALL questions unless otherwise directed.
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Form OP-REQ1: Page 23			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)**	
♦	3.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4 is "NO," go to Section VI.J.*	☐YES ☒NO
♦	5.	The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5 is "NO," go to VI.I.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO

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Form OP-REQ1: Page 24			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006**	
♦	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4 is "NO," go to Section VI.K.*	☐YES ☒NO
♦	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5 is "NO," go to Question VI.J.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO

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Form OP-REQ1: Page 25				
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)**			
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)**		
♦	8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
♦	9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐YES	☐NO
♦	10.	The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
	K.	**Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution**		
♦	1.	The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	☐YES	☒NO
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants**			
	A.	**Applicability**		
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.*	☐YES	☒NO ☐N/A
	B.	**Subpart F - National Emission Standard for Vinyl Chloride**		
	1.	The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	☐YES	☐NO
	C.	**Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)**		
♦	1.	The application area includes equipment in benzene service.	☐YES	☐NO ☐N/A

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Form OP-REQ1: Page 26		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants		
1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO," go to Section VII.E.*	☐YES ☐NO
2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐YES ☐NO
3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐YES ☐NO
E. Subpart M - National Emission Standard for Asbestos		
Applicability		
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "NO," go to Section VII.F.*	☐YES ☐NO
Roadway Construction		
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐YES ☐NO
Manufacturing Commercial Asbestos		
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO," go to Question VII.E.4.*	☐YES ☐NO
a.	Visible emissions are discharged to outside air from the manufacturing operation	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐YES ☐NO

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Form OP-REQ1: Page 27		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E. Subpart M - National Emission Standard for Asbestos (continued)		
***Manufacturing Commercial Asbestos* (continued)**		
c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
f.	A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐YES ☐NO
g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Asbestos Spray Application		
4.	The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO," go to Question VII.E.5.*	☐YES ☐NO
a.	Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.*	☐YES ☐NO
b.	Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐YES ☐NO
c.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 28		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E. Subpart M - National Emission Standard for Asbestos (continued)		
***Asbestos Spray Application* (continued)**		
d.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
e.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
f.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Fabricating Commercial Asbestos		
5.	The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.*	☐YES ☐NO
a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO
c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 29		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E. Subpart M - National Emission Standard for Asbestos (continued)		
***Fabricating Commercial Asbestos* (continued)**		
f.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Non-sprayed Asbestos Insulation		
6.	The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐YES ☐NO
Asbestos Conversion		
7.	The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐YES ☐NO
F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities		
1.	The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐YES ☐NO
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations		
1.	The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "NO," go to Section VII.H.*	☐YES ☐NO
2.	The application area includes benzene transfer operations at marine vessel loading racks.	☐YES ☐NO

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Form OP-REQ1: Page 30		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)		
3.	The application area includes benzene transfer operations at railcar loading racks.	☐YES ☐NO
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☐YES ☐NO
H. Subpart FF - National Emission Standard for Benzene Waste Operations		
Applicability		
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐YES ☐NO
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.*	☐YES ☐NO
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES," go to Section VIII.*	☐YES ☐NO
4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "YES," go to Section VIII*	☐YES ☐NO
5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES," go to Section VIII.*	☐YES ☐NO

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Form OP-REQ1: Page 31		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
***Applicability* (continued)**		
6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☐YES ☐NO
7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐YES ☐NO
Waste Stream Exemptions		
8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐YES ☐NO
9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐YES ☐NO
10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐YES ☐NO
11.	The application area transfers waste off-site for treatment by another facility.	☐YES ☐NO
12.	The application area is complying with 40 CFR § 61.342(d).	☐YES ☐NO
13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "NO," go to Question VII.H.15.*	☐YES ☐NO
14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐YES ☐NO

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Form OP-REQ1: Page 32		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO," go to Question VII.H.18.*	☐YES ☐NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES," go to Question VII.H.18.*	☐YES ☐NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO," go to Question VII.H.25.*	☐YES ☐NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES," go to Question VII.H.25.*	☐YES ☐NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO," go to Question VII.H.22.*	☐YES ☐NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO

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Form OP-REQ1: Page 33			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO," go to Question VII.H.25.*	☐YES ☐NO
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	☐YES ☐NO
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒YES ☐NO
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "NO," go to Section VIII.D.*	☐YES ☒NO

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Form OP-REQ1: Page 34		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)		
2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "NO," go to Section VIII.D.*	☐YES ☐NO
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.*	☐YES ☐NO

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Form OP-REQ1: Page 35		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater		
	Applicability	
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO," go to Section VIII.D.*	☐YES ☐NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐YES ☐NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐YES ☐NO
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
	Vapor Collection and Closed Vent Systems	
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐YES ☐NO
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐YES ☐NO

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Form OP-REQ1: Page 36		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Reloading or Cleaning of Railcars, Tank Trucks, or Barges		
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*	☐YES ☐NO
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐YES ☐NO
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐YES ☐NO
Transfer Racks		
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐YES ☐NO
Process Wastewater Streams		
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.9 is "NO," go to Question VIII.C.31.*	☐YES ☐NO
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.10 is "NO," go to Question VIII.C.12.*	☐YES ☐NO
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐YES ☐NO
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.12 is "NO," go to Question VIII.C.14.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐YES ☐NO
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.*	☐YES ☐NO
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐YES ☐NO
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐YES ☐NO
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐YES ☐NO
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐YES ☐NO
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐YES ☐NO
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐YES ☐NO

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Form OP-REQ1: Page 38		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.*	☐YES ☐NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.*	☐YES ☐NO
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.24 - VIII.C.25 are both "NO," go to Question VIII.C.27.*	☐YES ☐NO
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO

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Form OP-REQ1: Page 39		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Drains		
31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.36.*	☐YES ☐NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.32 is "NO," go to Question VIII.C.36.*	☐YES ☐NO
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐YES ☐NO

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Form OP-REQ1: Page 40		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)		
***Drains* (continued)**		
37.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
38.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
Gas Streams		
39.	The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐YES ☐NO
40.	The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐YES ☐NO
D. Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks		
1.	The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐YES ☒NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
E.	**Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities**	
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "NO," go to Section VIII.F.*	☐YES ☒NO
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO," go to Section VIII.F.*	☐YES ☐NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO," go to Section VIII.G.*	☐YES ☒NO
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐YES ☐NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☐YES ☒NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.*	☐YES ☒NO
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES," go to Question VIII.G.9.*	☐YES ☐NO

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Form OP-REQ1: Page 42		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)		
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES," go to Question VIII.G.9.*	☐YES ☐NO
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.9.*	☐YES ☐NO
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.9.*	☐YES ☐NO
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.6 is "YES," go to Section VIII.H.*	☐YES ☐NO
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.7 is "YES," go to Section VIII.H*	☐YES ☐NO
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.8 is "YES," go to Question VIII.G.10.*	☐YES ☐NO
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.9 is "NO," go to Section VIII.H*	☐YES ☐NO
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐YES ☐NO

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Form OP-REQ1: Page 43		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry		
1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO," go to Section VIII.I.*	☐YES ☒NO
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO," go to Section VIII.I.*	☐YES ☐NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO," go to Section VIII.I.*	☐YES ☐NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐YES ☐NO
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐YES ☐NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO," go to Section VIII.I.*	☐YES ☐NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐YES ☐NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐YES ☐NO

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Form OP-REQ1: Page 44		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
I.	**Subpart T - National Emission Standards for Halogenated Solvent Cleaning**	
1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐YES ☒NO
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**	
1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO," go to Section VIII.K.*	☐YES ☒NO
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO," go to Section VIII.K.*	☐YES ☐NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO

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Form OP-REQ1: Page 45		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.*	☐YES ☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.*	☐YES ☐NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO

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Form OP-REQ1: Page 46		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
	Containers	
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*	☐YES ☐NO

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Form OP-REQ1: Page 47		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.*	☐YES ☒NO ☐N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.*	☐YES ☒NO ☐N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐YES ☐NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☐YES ☒NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO," go to Section VIII.O.*	☐YES ☒NO
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES," go to Section VIII.O.*	☐YES ☐NO

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Form OP-REQ1: Page 49		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)		
***Applicability* (continued)**		
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO," go to Section VIII.O.*	☐YES ☐NO
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO," go to Section VIII.O.*	☐YES ☐NO
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO," go to Section VIII.O.*	☐YES ☐NO
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐YES ☐NO

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Form OP-REQ1: Page 50		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*	☐YES ☐NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐YES ☐NO
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*	☐YES ☒NO ☐N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐YES ☐NO
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐YES ☐NO

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Form OP-REQ1: Page 51		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
4.	The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐YES ☐NO
5.	The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☐YES ☐NO
6.	The predominant activity in the application area is the treatment of wastewater received from off-site.	☐YES ☐NO
7.	The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐YES ☐NO
8.	The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐YES ☐NO
9.	The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐YES ☐NO
10.	The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES," go to Section VIII.P.*	☐YES ☐NO

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Form OP-REQ1: Page 52		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.*	☐YES ☐NO
12.	VOHAP concentration is determined by direct measurement.	☐YES ☐NO
13.	VOHAP concentration is based on knowledge of the off-site material.	☐YES ☐NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.*	☐YES ☐NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐YES ☐NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐YES ☐NO
17.	The application area includes containers that manage non-exempt off-site material.	☐YES ☐NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.*	☐YES ☒NO ☐N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐YES ☐NO
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐YES ☒NO
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.*	☐YES ☒NO
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.*	☐YES ☐NO
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Q.	**Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)**	
♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.*	☐YES ☐NO
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.*	☐YES ☐NO
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐YES ☐NO
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐YES ☐NO
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**	
1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐YES ☒NO
2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐YES ☐NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**	
1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.*	☐YES ☒NO ☐N/A
2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐YES ☐NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**	
1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐YES ☒NO ☐N/A
U.	**Subpart PP - National Emission Standards for Containers**	
1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐YES ☒NO
2.	The application area includes containers using Container Level 1 controls.	☐YES ☐NO
3.	The application area includes containers using Container Level 2 controls.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
U.	**Subpart PP - National Emission Standards for Containers (continued)**		
	4.	The application area includes containers using Container Level 3 controls.	☐YES ☐NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**		
	1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐YES ☒NO
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**		
	1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐YES ☒NO
	2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.*	☐YES ☒NO
	3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐YES ☐NO
	6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO

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Form OP-REQ1: Page 58		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
20.	The application area includes an ethylene production process unit.	☐YES ☒NO ☐N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.*	☐YES ☒NO ☐N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.*	☐YES ☐NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐YES ☐NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.*	☐YES ☐NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐YES ☐NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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Form OP-REQ1: Page 61		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐YES ☐NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.*	☐YES ☐NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.*	☐YES ☐NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.*	☐YES ☐NO

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Form OP-REQ1: Page 62		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.*	☐YES ☐NO
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.*	☐YES ☐NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.*	☐YES ☐NO

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Form OP-REQ1: Page 63		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.*	☐YES ☐NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.*	☐YES ☐NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO

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Form OP-REQ1: Page 64		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54 is "NO," go to Section VIII.X.*	☐YES ☒NO
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐YES ☐NO
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins		
1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.*	☐YES ☒NO
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.*	☐YES ☐NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.*	☐YES ☐NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
Containers		
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
Drains		
15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*	☐YES ☐NO
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
***Drains* (continued)**		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐YES ☐NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐YES ☐NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐YES ☒NO
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐YES ☒NO
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐YES ☒NO
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☐YES ☒NO
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.*	☐YES ☒NO
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.*	☐YES ☐NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
7.	The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.8 is "YES," go to Section VIII.BB.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
13.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.*	☐YES ☐NO
14.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐YES ☐NO
15.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.*	☐YES ☐NO
16.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐YES ☐NO
17.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
18.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
19.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.*	☐YES ☐NO
20.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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Form OP-REQ1: Page 71		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
21.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.*	☐YES ☐NO
23.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.*	☐YES ☐NO
24.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐YES ☐NO
25.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐YES ☐NO
26.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐YES ☐NO

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Form OP-REQ1: Page 72		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐YES ☒NO
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation		
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.*	☐YES ☒NO
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.*	☐YES ☐NO
3.	All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.*	☐YES ☐NO
4.	Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.*	☐YES ☐NO
5.	The site remediation will be completed within 30 consecutive calendar days.	☐YES ☐NO
6.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.*	☐YES ☐NO
7.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐YES ☐NO
8.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.*	☐YES ☐NO

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Form OP-REQ1: Page 73		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)		
9.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.*	☐YES ☐NO
10.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐YES ☐NO
11.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐YES ☐NO
12.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐YES ☐NO
13.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐YES ☐NO
14.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐YES ☐NO
DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities		
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.*	☐YES ☒NO
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.*	☐YES ☐NO
3.	Metallic scrap is utilized in the EAF.	☐YES ☐NO
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO

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Form OP-REQ1: Page 74		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities		
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "NO," go to Section VIII.FF.*	☒YES ☐NO
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐YES ☒NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐YES ☒NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.*	☐YES ☒NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐YES ☐NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.*	☐YES ☒NO
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.*	☐YES ☐NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐YES ☐NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.*	☐YES ☐NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐YES ☐NO

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Form OP-REQ1: Page 75			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)		
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐YES ☐NO
	FF. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities		
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.*	☒YES ☐NO
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.*	☒YES ☐NO
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☒YES ☐NO
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐YES ☒NO
	GG. Recently Promulgated 40 CFR Part 63 Subparts		
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒YES ☐NO
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. **Subpart ZZZZ**	

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Form OP-REQ1: Page 76				
IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**			
	A.	**Applicability**		
♦		1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐YES ☒NO
X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**			
	A.	**Subpart A - Production and Consumption Controls**		
♦		1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐YES ☒NO ☐N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**		
♦		1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐YES ☒NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**		
♦		1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐YES ☒NO ☐N/A
	D.	**Subpart D - Federal Procurement**		
♦		1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐YES ☒NO ☐N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**		
♦		1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐YES ☒NO ☐N/A
♦		2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐YES ☒NO ☐N/A
♦		3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐YES ☒NO ☐N/A

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**			
	F.	**Subpart F - Recycling and Emissions Reduction**		
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☐YES	☒NO
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☐YES	☒NO ☐N/A
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐YES	☒NO ☐N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**		
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO," go to Section X.H.*	☐YES	☒NO ☐N/A
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐YES	☐NO ☐N/A
	H.	**Subpart H -Halon Emissions Reduction**		
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☐YES	☒NO ☐N/A
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐YES	☒NO ☐N/A
XI.	**Miscellaneous**			
	A.	**Requirements Reference Tables (RRT) and Flowcharts**		
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒YES	☐NO

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Form OP-REQ1: Page 78				
XI.	**Miscellaneous (continued)**			
	B.	**Forms**		
♦		1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.*	☒YES ☐NO ☐N/A
♦		2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. 40 CFR Part 63, Subparts VV, MMMM, HHHHHH, and JJJJJJ	
	C.	**Emission Limitation Certifications**		
♦		1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☐YES ☒NO
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**		
		1.	The application area is located at a site that is subject to a site specific requirement of the state implementation plan (SIP).	☐YES ☒NO
		2.	The application area includes units located at the site that are subject to a site specific requirement of the SIP.	☐YES ☒NO
		3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.*	☐YES ☒NO
		4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.*	☐YES ☒NO

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Form OP-REQ1: Page 79		
XI.	**Miscellaneous (continued)**	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☒YES ☐NO
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐YES ☒NO
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐YES ☒NO
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "NO," go to Question XI.F.7.*	☒YES ☐NO
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐YES ☒NO
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☒YES ☐NO
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☒NO
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☒YES ☐NO
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐YES ☒NO
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐YES ☒NO

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Form OP-REQ1: Page 80		
XI.	**Miscellaneous (continued)**	
G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "NO," go to Question XI.G.6.*	☐YES ☒NO
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐YES ☐NO
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐YES ☐NO
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐YES ☐NO
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐YES ☐NO
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐YES ☒NO
H.	**Permit Shield (SOP Applicants Only)**	
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒YES ☐NO

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Form OP-REQ1: Page 81			
XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐YES ☐NO
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐YES ☐NO
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐YES ☐NO
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐YES ☐NO
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐YES ☐NO
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "NO," go to question XI.J.3.*	☐YES ☒NO
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☐NO ☐N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☒NO ☐N/A

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Form OP-REQ1: Page 82			
XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X.	☐YES ☒NO
♦	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☒YES ☐NO
♦	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐YES ☒NO
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐YES ☒NO
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☐YES ☒NO
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.*	☒YES ☐NO
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐YES ☒NO
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "NO," go to Section XI.M.*	☒YES ☐NO

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Form OP-REQ1: Page 83			
XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "NO," go to Section XI.M.*	☐YES ☒NO
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐YES ☐NO
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.*	☐YES ☐NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐YES ☐NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐YES ☐NO
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "YES," go to Section XI.M.*	☐YES ☐NO
♦	9.	The CAM proposal as described by question XI.L.3 or XI.L.4 addresses particulate matter or opacity.	☐YES ☐NO
♦	10.	The CAM proposal as described by question XI.L.3 or XI.L.4 addresses VOC.	☐YES ☐NO
♦	11.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐YES ☐NO

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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XI.	**Miscellaneous (continued)**		
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.*	☐YES ☒NO
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.*	☐YES ☒NO
	B.	**Air Quality Standard Permits**	
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H, and answer XII.B.2 - B.16 as appropriate.*	☐YES ☒NO
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐YES ☐NO
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐YES ☐NO
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐YES ☐NO
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐YES ☐NO
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐YES ☐NO

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For SOP applications, answer ALL questions unless otherwise directed.
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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits (continued)**	
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐YES ☐NO
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "NO," go to Question XII.B.15.*	☐YES ☐NO
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐YES ☐NO
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐YES ☐NO
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐YES ☒NO
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐YES ☒NO

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For SOP applications, answer ALL questions unless otherwise directed.
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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: PSD-TX-717M2	Issuance Date: 9/30/2019	Pollutant(s): NOx, VOC, PM, PM10, PM2.5, CO, SO2
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 2629	Issuance Date: 9/26/2016	Authorization No.: 17380	Issuance Date: 9/30/2019
Authorization No.: 45532	Issuance Date: 6/20/2012	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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Permit No.:	O-22
RN No.:	RN100219872

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♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.122	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.412	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.475	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
♦ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

FORM OP-REQ2

Texas Commission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit AI	Revision No.	Unit/Group/Process		Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
		ID No.	Applicable Form			
A	4	D-1	OP-REQ2	40 CFR Part 63, Subpart JJJJJJ — National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	§63.11195(k)	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
A	8	D-2	OP-REQ2	40 CFR Part 63, Subpart JJJJJJ — National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	§63.11195(k)	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
A	19	PAINT	OP-REQ2	40 CFR Part 63, Subpart HHHHHH — National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	§63.11170(a)	The site is not subject to the subpart because any spray application of coatings that contain chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd) meets the definition of facility maintenance, and the plant does not perform paint stripping using MeCl.

FORM OP-REQ3

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Table 1a: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	Unit / Group / Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
1	D-1	OP-UA15	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§111.111(a)(1)(C) §111.111(a)(1)(E)
2	D-1	OP-UA6	R7131-1	NOX	30 TAC Chapter 117, Subchapter E, Division 1	§117.3010(1)(A)(i) §117.3010, (1), (1)(A) §117.3040(k), (l)
5	D-2	OP-UA15	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§111.111(a)(1)(C) §111.111(a)(1)(E)
6	D-2	OP-UA6	R2-1	SO2	30 TAC Chapter 112, Sulfur Compounds	§112.9(a)
6	D-2	OP-UA6	R7131-1	NOX	30 TAC Chapter 117, Subchapter E, Division 1	§117.3010(1)(A)(i) §117.3010, (1), (1)(A) §117.3040(k), (l)
6	D-2	OP-UA6	60D-1	SO2	40 CFR Part 60, Subpart D	§60.40(a)
6	D-2	OP-UA6	60D-1	NOX	40 CFR Part 60, Subpart D	§60.44(a)(1)

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Table 1a: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	Unit / Group / Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
6	D-2	OP-UA6	60D-2	OPACITY	40 CFR Part 60, Subpart D	§60.42(a)(2)
6	D-2	OP-UA6	60D-2	SO2	40 CFR Part 60, Subpart D	§60.43(b) §60.43(c)
6	D-2	OP-UA6	60D-2	NOX	40 CFR Part 60, Subpart D	§60.44(b)
6	D-2	OP-UA6	60D-3	OPACITY	40 CFR Part 60, Subpart D	§60.42(a)(2)
6	D-2	OP-UA6	60D-3	SO2	40 CFR Part 60, Subpart D	§60.43(a)(1)
6	D-2	OP-UA6	60D-3	NOX	40 CFR Part 60, Subpart D	§60.44(a)(2)

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Table 1a: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	Unit / Group / Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
9	DCK-F1	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6603(a)-Table 2d.4 §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (i) §63.6640(b), (f)(1), (f)(2), (f)(2)(i), (f)(4)
10	DCK-F2	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6603(a)-Table 2d.4 §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (i) §63.6640(b), (f)(1), (f)(2), (f)(2)(i), (f)(4)
11	DSLUNLD	OP-UA4	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(b)(2) §115.212(b)(2) §115.214(b)(1)(B), (b)(1)(D), (b)(1)(D)(i)
12	EM-1	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6603(a)-Table 2d.4 §63.6604(b) §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (i) §63.6640(b), (f)(1), [G](f)(2), [G](f)(4)
13	EM-2	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6603(a)-Table 2d.4 §63.6604(b) §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (i) §63.6640(b), (f)(1), [G](f)(2), [G](f)(4)
14	EM-3	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6603(a)-Table 2d.4 §63.6604(b) §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (i) §63.6640(b), (f)(1), [G](f)(2), [G](f)(4)

Applicable Requirements Summary
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Table 1a: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	Unit / Group / Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
15	EM-4	OP-UA2	60IIII-1	NMHC and NOx	40 CFR Part 60, Subpart IIII	§60.4205(b) §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a), (c), [G](f) §60.4218 §89.112(a)
15	EM-4	OP-UA2	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§60.4205(b) §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a), (c), [G](f) §60.4218 §89.112(a)
15	EM-4	OP-UA2	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§60.4205(b) §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a), (c), [G](f) §60.4218 §89.112(a)
15	EM-4	OP-UA2	63ZZZZ-1	HAP	40 CFR Part 63, Subpart ZZZZ	§63.6590(c)
16	GRP-TKLORV	OP-UA15	R512-1	VOC	30 TAC Chapter 115, Vent Gas Control	§ 115.127(c)(1)(B) § 115.127(c)(1)
17	GRP-TSTACK	OP-UA15	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§111.111(a)(1)(C) §111.111(a)(1)(E)
18	GRP-TURB	OP-UA11	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§117.3003(2) §117.3003, (2)(B)

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Table 1a: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	Unit / Group / Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
20	USEDLDG	OP-UA4	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(b)(2) §115.212(b)(2) §115.214(b)(1)(B), (b)(1)(D), (b)(1)(D)(i)

Applicable Requirements Summary
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Table 1b: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
1	D-1	R1111-1	OPACITY	[G]§111.111(a)(1)(F)		
2	D-1	R7131-1	NOX	§117.3035(a), (a)(1), (a)(3), (c), (d) §117.3040(a), (d), (d)(1), [G](d)(2), (h), (h)(1)	§117.3045(a), (e), (e)(1), (e)(2), (e)(3), [G](e)(5), (e)(6), (e)(7)	§117.3035(b) §117.3045(b), (b)(1), (b)(2), [G](c), [G](d) §117.3054(a), (a)(1), (a)(1)(A), (a)(2)-(4), (c) §117.3056
5	D-2	R1111-1	OPACITY	[G]§111.111(a)(1)(F)		
6	D-2	R2-1	SO2	§112.2(a)	§112.2(c)	§112.2(b)
6	D-2	R7131-1	NOX	§117.3035(a), (a)(1), (a)(3), (c), (d) §117.3040(a), (d), (d)(1), [G](d)(2), (h), (h)(1)	§117.3045(a), (e), (e)(1), (e)(2), (e)(3), [G](e)(5), (e)(6), (e)(7)	§117.3035(b) §117.3045(b), (b)(1), (b)(2), [G](c), [G](d) §117.3054(a), (a)(1), (a)(1)(A), (a)(2)-(4), (c) §117.3056
6	D-2	60D-1	SO2	§60.45(b)(1), (b)(4)		
6	D-2	60D-1	NOX	§60.45(b)(3), (b)(4) §60.46(a), (b)(1), [G](b)(5), [G](d)(1), (d)(5)-(7)		

Applicable Requirements Summary
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Table 1b: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
6	D-2	60D-2	OPACITY	§60.45(b)(1), (b)(7), [G](b)(7)(i), [G](b)(7)(ii), (b)(7)(iii), (h), [G](h)(1), [G](h)(2) §60.46(a), (b)(3)	§60.45(h), [G](h)(1), [G](h)(2)	
6	D-2	60D-2	SO2	§60.45(b)(1), (b)(4) §60.46(a), (b)(1), [G](b)(4), [G](c), [G](d)(1), [G](d)(3), (d)(4), (d)(6), (d)(7)		
6	D-2	60D-2	NOX	§60.45(b)(3), (b)(4) §60.46(a), (b)(1), [G](b)(5), [G](c), [G](d)(1), (d)(5), (d)(6), (d)(7)		
6	D-2	60D-3	OPACITY	§60.45(b)(1), (b)(7), [G](b)(7)(i), , [G](b)(7)(ii), (b)(7)(iii), (h), [G](h)(1), [G](h)(2), (h)(3) §60.46(a), (b)(3)	§60.45(h), [G](h)(1), [G](h)(2)	
6	D-2	60D-3	SO2	§60.45(b)(1), (b)(4) §60.46(a), (b)(1), [G](b)(4), [G](d)(1), [G](d)(3), (d)(4), (d)(6), (d)(7)		
6	D-2	60D-3	NOX	§60.45(b)(3), (b)(4) §60.46(a), (b)(1), [G](b)(5), [G](d)(1), (d)(5), (d)(6), (d)(7)		

Applicable Requirements Summary
OP-REQ3 (Page 2)
Federal Operating Permit Program

Table 1b: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
9	DCK-F1	63ZZZZ-1	HAP	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii §63.6640(b)	§63.6625(i) §63.6655(a), (a)(1), (d)-(f) §63.6660(a)-(c)	§63.6640(b), (e) §63.6650(f)
10	DCK-F2	63ZZZZ-1	HAP	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii §63.6640(b)	§63.6625(i) §63.6655(a), (a)(1), (d)-(f) §63.6660(a)-(c)	§63.6640(b), (e) §63.6650(f)
11	DSLUNLD	R5211-1	VOC	§115.214(b)(1)(A), (b)(1)(A)(i) §115.215, (4)	§115.216, (2), (3)(B)	
12	EM-1	63ZZZZ-1	HAP	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii §63.6640(b)	§63.6625(i) §63.6655(a), (a)(1), (d)-(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(a)-Table 7.4 §63.6650(f) [G]§63.6650(h)
13	EM-2	63ZZZZ-1	HAP	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii §63.6640(b)	§63.6625(i) §63.6655(a), (a)(1), (d)-(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(a)-Table 7.4 §63.6650(f) [G]§63.6650(h)
14	EM-3	63ZZZZ-1	HAP	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii §63.6640(b)	§63.6625(i) §63.6655(a), (a)(1), (d)-(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(a)-Table 7.4 §63.6650(f) [G]§63.6650(h)

Applicable Requirements Summary
OP-REQ3 (Page 2)
Federal Operating Permit Program

Table 1b: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
15	EM-4	60IIII-1	NMHC and NOx	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
15	EM-4	60IIII-1	CO	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
15	EM-4	60IIII-1	PM	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
15	EM-4	63ZZZZ-1	HAP			
16	GRP-TKLORV	R512-1	VOC	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2), (4)	
17	GRP-TSTACK	R1111-1	OPACITY	[G]§111.111(a)(1)(F)		
18	GRP-TURB	R7131-1	Exempt	§117.3040(i)	§117.3040(i)	[G]§117.3040(j) §117.3054(a), (a)(5)

Applicable Requirements Summary
OP-REQ3 (Page 2)
Federal Operating Permit Program

Table 1b: Additions

Date:	11/15/2019	**Regulated Entity No.:**	RN100219872	**Permit No.:**	O22
Company Name:	City of Austin	**Area Name:**	Decker Creek Power Plant		

Revision No.	Unit / Group / Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
20	USEDLDG	R5211-1	VOC	§115.214(b)(1)(A), (b)(1)(A)(i) §115.215, (4)	§115.216, (2), (3)(B)	

FORM OP-UA2

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date:	**11/15/2019**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
DCK-F1	63ZZZZ-1	AREA	250-300	02-	NO	EMER-A	CI
DCK-F2	63ZZZZ-1	AREA	250-300	02-	NO	EMER-A	CI
EM-1	63ZZZZ-1	AREA	500+	02-	NO	EMER-A	CI
EM-2	63ZZZZ-1	AREA	300-500	02-	NO	EMER-A	CI
EM-3	63ZZZZ-1	AREA	500+	02-	NO	EMER-A	CI
EM-4	63ZZZZ-1	AREA	500+	06+			

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	**11/15/2019**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
EM-4	60IIII-1	2005+	NONE	EMERG	CON	0406+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 11)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	**11/15/2019**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
EM-4	60IIII-1	DIESEL		10-CS		2007	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	**11/15/2019**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
EM-4	60IIII-1	E560-2237		NO	CERT	MANU YES	

FORM OP-UA4

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date:	**11/15/2019**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Presure	Daily Throughput	Control Options
DSLUNLD	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
USEDLDG	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		

FORM OP-UA6

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Gas or Liquid Fuel Only	Fuels with 0.33 % or Less Sulfur	PM CEMS Petition
D-2	60D-1	71-76	NO	NO	250+	NO	NO	NO	NO	NO
D-2	60D-2	71-76	NO	NO	250+	NO	NO	NO	NO	NO
D-2	60D-3	71-76	NO	NO	250+	NO	NO	NO	NO	NO

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Alternate 43D	Alternate 44E	Flue Gas Desulfurization	Fuel Sampling and Analysis	Cyclone-Fired Unit	NOX Monitoring Type
D-2	60D-1	GFF			NONE	NO	NO	YES	NO	YES
D-2	60D-2	GFF	LFF		NONE	NO	NO	YES	NO	YES
D-2	60D-3	LFF			NONE	NO	NO	YES	NO	YES

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 18)
Federal Operating Permit Program

Table 7: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit ID No.	SOP/GOP Index No.	Fuel Type	Date of Operation	Heat Input	Control Equipment	FCAA § 412(c)	Stack Height
D-2	R2-1	LQD-3		250+	NONE		NO

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 22)
Federal Operating Permit Program

Table 9a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E, Division 1: Utility Electric Generation in East and Central Texas

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit ID No.	SOP/GOP Index No.	Date Placed in Service	Unit Exempt	Location	Capacity	30% of the Maximum	Firing Method
D-1	R7131-1	95-	NONE	NO			
D-2	R7131-1	95-	NONE	NO			

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 23)
Federal Operating Permit Program

Table 9b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E, Division 1: Utility Electric Generation in East and Central Texas

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Unit ID No.	SOP Index No.	NOx Emission Limitation	Fuel	NOx Monitoring	Maximum Emission Rate	Ammonia Use	NH3 Emission Limitation	Ammonia Monitoring
D-1	R7131-1	3010	GAS	CEMS	YES	NO		
D-2	R7131-1	3010	GAS	CEMS	YES	NO		

FORM OP-UA11

Texas Commission on Environmental Quality
Stationary Turbine Attributes
Form OP-UA11 (Page 9)
Federal Operating Permit Program
Table 4a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E, Division 1: Utility Electric Generation in East and Central Texas

Date:	**11/15/2019**
Permit No.:	**O22**
Customer Reference No.:	**CN600135198**
Regulated Entity No.:	**RN100219872**
Area Name:	**Decker Creek Power Plant**

Unit ID No.	SOP/GOP Index No.	Date Placed in Service	Unit	NOx Emission Limitation	NOx Monitoring	Max Emission Rate	MW Rating
GRP-TURB	R7131-1	95-	HPY				

FORM OP-UA15

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
D-1	R1111-1	NO		OTHER	NONE	72-	100+
D-2	R1111-1	NO		OTHER	NONE	72+	100+
GRP-TSTACK	R1111-1	NO		OTHER	NONE	72+	100+

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 3)
Federal Operating Permit Program
Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control

Date:	11/15/2019	**Permit No.:**	O22	**Regulated Entity No.:**	RN100219872
Area Name:	Decker Creek Power Plant			**Customer Reference No.:**	CN600135198

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
GRP-TKLORV	R512-1	NO	NO	CLASVOC		100-		YES

FORM OP-AR1

Texas Commission on Environmental Quality
Form OP-AR1
Acid Rain Permit Application
Federal Operating Permit Processes

Date: 11/15/2019	**Permit Name: Decker Creek Power Plant**	**ORIS Code: 3548**
Account No.: TH-0004-D	**RN: RN100219872**	**CN: CN600135198**
AIRS No.:	**FINDS No.:**	**Submission: New ☐ Revised ☐ Renewal ☒**

Unit ID No.	NADB No.	Unit Will Hold SO_2 Allowances Per 40 CFR § 72.9(c)(1)	NO_x Limitation*	New Units Commence Operation Date	New Units Monitor Certification Deadline
D-1	1	Yes	NO	NA	NA
D-2	2	Yes	NO	NA	NA
		Yes			
		Yes			
		Yes			
		Yes			
		Yes			
		Yes			
		Yes			
		Yes			

Note: If NO_x Limitation is "YES" (this applies to coal-fired units only), the unit is subject to the NO_x limitations of 40 CFR Part 76 and the Designated Representative must submit an Acid Rain Program Phase II NO_x Compliance plan (EPA Form 7610-28).

Monitoring Plans for Part 75 Sources

Instructions: click on a facility name in the table to display detailed information.

Show 100 entries

decker

ORIS Code	Facility Name	State	View
3548	Decker Creek	Texas	ⓘ

Showing 1 to 1 of 1 entries (filtered from 1,756 total entries)

Previous 1 Next

ⓘ Display Overview

Selected Facility: Decker Creek

ORIS Code: 3548

Location | Contacts | Units | Monitoring Plans

City of Austin

Role: Owner
Unit(s): 1, GT-1A, GT-1B, 2, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B

City of Austin

Role: Operator
Unit(s): 1, GT-1A, GT-1B, 2, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B

Name: Kathleen Garrett
Title: Director, Environmental Services
Company: Austin Utilities
Email: kathleen.garrett@austinenergy.com
Phone: (512) 505-3758
Address: 721 Barton Springs Rd.,
Austin, TX 78704

Responsibilities:

- Primary Designated Representative

Name: Ravi Joseph
Title: engineer, consulting
Company: City of Austin
Email: ravi.joseph@austinenergy.com
Phone: (512) 322-6284
Address: 721 Barton Springs Road,
Austin, TX 78704

Responsibilities:

- Alternate Designated Representative

FORM OP-MON and Supporting Information

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 7)
Federal Operating Permit Program

Table 2c: CAM/PM Case-By-Case Deletions

I. Identifying Information
Account No.: TH-0004-D
RN No.: RN100219872
CN: CN600135198
Permit No.: O22
Project No.: TBA
Area Name: Decker Creek Power Plant
Company Name: City of Austin
II. Unit/Emission Point/Group/Process Information
Revision No.: 3
Unit/EPN/Group/Process ID No.: D-1
Applicable Form: OP-2
III. Applicable Regulatory Requirement
Name: Chapter 112 is not applicable
SOP/GOP Index No.: R2-1
Pollutant: SO2
Main Standard: §112.9(a) is not applicable
IV. Title V Monitoring Information
Monitoring Type: PM
V. Control Device Information
Control Device ID No.:
Control Device Type:
VI. Type of Deletion
Monitoring Requirement: Delete
Control Device:

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: TH-0004-D	RN No.: RN100219872	CN: CN600135198
Permit No: O22	Project No.: TBA	
Area Name: Decker Creek Power Plant		
Company Name: City of Austin		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7		
Unit/EPN/Group/Process ID No.: D-2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 112, Sulfur Compounds		
SOP/GOP Index No.: R2-1		
Pollutant: SO2		
Main Standard: §112.9(a)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt %		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:	Minimum Frequency:	
Averaging Period:	QA/QC Procedures:	
Verification Procedures:	Representative Date:	
VI. Periodic Monitoring Case-by-case		
Indicator: Sulfur Content of Fuel	Minimum Frequency:	Quarterly and within 24 hours of any fuel change
Averaging Period: n/a		
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: TH-0004-D	RN No.: RN100219872	CN: CN600135198
Permit No: O22	Project No.: TBA	
Area Name: Decker Creek Power Plant		
Company Name: City of Austin		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7		
Unit/EPN/Group/Process ID No.: D-2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 40 CFR Part 60, Subpart D		
SOP/GOP Index No.: 60D-2		
Pollutant: SO2		
Main Standard: §60.43(b)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt %		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:	Minimum Frequency:	
Averaging Period:	QA/QC Procedures:	
Verification Procedures:	Representative Date:	
VI. Periodic Monitoring Case-by-case		
Indicator: Sulfur Content of Fuel	Minimum Frequency:	Within 24 hours of adding any fuel oil to the storage tank
Averaging Period: n/a		
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: TH-0004-D	RN No.: RN100219872	CN: CN600135198
Permit No: O22	Project No.: TBA	
Area Name: Decker Creek Power Plant		
Company Name: City of Austin		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7		
Unit/EPN/Group/Process ID No.: D-2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 40 CFR Part 60, Subpart D		
SOP/GOP Index No.: 60D-3		
Pollutant: SO2		
Main Standard: §60.43(a)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt %		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:	Minimum Frequency:	
Averaging Period:	QA/QC Procedures:	
Verification Procedures:	Representative Date:	
VI. Periodic Monitoring Case-by-case		
Indicator: Sulfur Content of Fuel	Minimum Frequency:	Within 24 hours of adding any fuel oil to the storage tank
Averaging Period: n/a		
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.		

SO_2 Exhaust Concentration Calculations Demonstrating Compliance with 30 TAC §112.9(a) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

	D-2	Notes
Heat Input (MMBtu/hr)	4,501	Based on prior permit application representations.
Exhaust SO_2 concentration limit (ppmv)	440	This is the limitation for liquid fossil fuel combustion in 30 TAC §112.9(a).
Exhaust flow rate (scf/hr)	5.37E+07	Based on an assumed exhaust flow of 11,930 scf (referenced to 60 deg F) of wet exhaust gas per MMBTU of fuel oil combustion, assuming 15% excess air with 2.6% O_2 in exhaust.
Exhaust flow rate (acf/hr)	7.39E+07	Based on a 255-deg F stack temperature.
Maximum SO_2 in exhaust (acf/hr)	32,504	Based on the exhaust SO_2 concentration limit in 30 TAC §112.9(a).
Maximum SO_2 in exhaust (lb/hr)	3,911	Based on a Gas Law conversion using a site atmospheric pressure of 14.4 psia.
Sulfur in in exhaust (lb/hr)	1,957	Based on a molar conversion of SO_2 to equivalent sulfur, assuming 100% conversion of S to SO_2.
Fuel oil flow rate (lb/hr)	252,794	Based on a fuel oil heating value of 17,805 BTU/lb
Calculated maximum allowed sulfur content in fuel oil (wt %)	**0.77%**	Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is compliant with 30 TAC §112.9(a).

SO_2 Emission Rate Calculations Demonstrating Compliance with 40 CFR §60.43(a)(1) and §60.43(b) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

	D-2	Notes
Emission Rate Limit for SO_2 (lb SO_2/MMBtu)	0.8	From 40 CFR §60.43(a)(1) and §60.43(b). The emission rate limits are numerically the same because the boiler does not fire solid fossil fuel.
Oil density (lb/gal)	7.05	AP-42 Appendix A
Oil heating value (Btu/gal)	140,000	AP-42 Appendix A
Molecular weight of S (lb/lbmol)	32	
Molecular weight of SO_2 (lb/lbmol)	64	
Conversion ratio of S to SO_2	1:1	
Calculated maximum allowed sulfur content in fuel oil (wt %)	**0.79%**	Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is compliant with 40 CFR §60.43(a)(1) and §60.43(b).

Alternative Monitoring Method for New Source Performance Standard Subpart D for Emission Unit D-2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO_2 monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO_2 emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

John R. Hepola

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

SUBSEQUENT REVISIONS

Rapier, Edward

From: Rapier, Edward
Sent: Thursday, June 04, 2020 1:45 PM
To: Camilla Widenhofer; Joseph, Ravinder (Ravi); Harder, Curtis
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)
Attachments: OP-CRO1 2020-06-04 Signed.pdf

Camilla,

Attached please find a signed OP-CRO1 to certify changes from 5/19/2020 to today, 6/4/2020.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Wednesday, June 03, 2020 1:27 PM
To: Rapier, Edward <edward.rapier@powereng.com>; Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; Harder, Curtis <curtis.harder@powereng.com>
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

Thank you. Please go ahead and send form OP-CRO1 to certify the changes.

Take care

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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---

From: edward.rapier@powereng.com <edward.rapier@powereng.com>
Sent: Wednesday, June 3, 2020 1:23 PM
To: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>; Joseph, Ravinder (Ravi)

<Ravi.Joseph@austinenergy.com>; curtis.harder@powereng.com
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

Hello Camilla,

I have discussed the draft permit from your May 22 email (below) with Mr. Joseph and he agrees with the changes. Please proceed with your processing of the renewal.

Thanks

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Friday, May 22, 2020 3:48 PM
To: Rapier, Edward <edward.rapier@powereng.com>; Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; Harder, Curtis <curtis.harder@powereng.com>
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

Hi Ed,
The requested changes have been made except for the addition of §117.3054(a) and §117.3054(a)(5) to GRP-TURB since the group does not have the 117.3010 requirement. Please see my responses below. The updated draft permit draft permit is attached for your review through **June 5, 2020**.

Have a wonderful holiday weekend.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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From: edward.rapier@powereng.com <edward.rapier@powereng.com>
Sent: Monday, May 18, 2020 12:15 PM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; curtis.harder@powereng.com; Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

Camilla,

Thanks for sending us the WDP for review. Attached is a copy of the Applicable Requirements Summary table with redline/strikeout edits showing our requested changes. The changes are discussed below.

Applicable Requirements Summary

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Also, since unit D-2 is not subject to the PM standard in NSPS D as noted above, please remove the added Periodic Monitoring requirements for index nos. 60D-2 and 60D-3 for standard 60.42(a)(1), shown using strikeout in the attachment. Removed

A signed OP-CRO1 is attached, covering the period of the review of the application from 11/16/2019 up to and including this response to the WDP.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Wednesday, April 22, 2020 10:21 AM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>
Subject: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

*** External email - Exercise caution ***

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have regarding it by May 20, 2020. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to your review of the WDP, please note the following:

1. For D-2 additional monitoring is needed for PM, therefore periodic monitoring option PM-P-029 was added.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN100219872	CN: CN600135198	Account No.: TH-0004-D
Permit No.: O22	Project No.: 29912	
Area Name: Decker Creek Power Plant	Company Name: City of Austin	

II. Certification Type *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☒ Update to Permit Application

☐ GOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Kathleen Garrett certify that I am the RO
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 5/19/2020 to 6/04/2020
Start Date *End Date*

Specific Dates: _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: Kathleen Garrett Signature Date: 6/04/2020

Title: Interim Director of Power Plant Operations

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Rapier, Edward

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Friday, May 22, 2020 3:48 PM
To: Rapier, Edward; Joseph, Ravinder (Ravi); Harder, Curtis
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)
Attachments: Draft Permit O22 - City of Austin (Renewal, 29912).docx

Hi Ed,
The requested changes have been made except for the addition of §117.3054(a) and §117.3054(a)(5) to GRP-TURB since the group does not have the 117.3010 requirement. Please see my responses below. The updated draft permit draft permit is attached for your review through **June 5, 2020**.

Have a wonderful holiday weekend.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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From: edward.rapier@powereng.com <edward.rapier@powereng.com>
Sent: Monday, May 18, 2020 12:15 PM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; curtis.harder@powereng.com; Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

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FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
City of Austin

AUTHORIZING THE OPERATION OF
Decker Creek Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Travis County, Texas
Latitude 30° 18' 13" Longitude 97° 36' 46"
Regulated Entity Number: RN100219872

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O22 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the

Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water

vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

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(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(1) (relating to Control Requirements)

B. Title 30 TAC § 115.512(2) (relating to Control Requirements)

C. Title 30 TAC § 115.516 (relating to Recordkeeping Requirements)

D. Title 30 TAC § 115.515 (relating to Testing Requirements)

E. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

F. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary

Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Alternative Requirements

17. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

19. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

20. For units D1 and D2 (identified in the Certificate of Representation as units 1 and 2), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating

Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained in 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such

documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

21. For units D-1, D-2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units 1, 2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the site identified by Plant code/ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall operate the source and the unit in compliance with the requirements of the CSAPR NO_x Ozone Season Group 2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units D-1 and D-2 (identified in the Certificate of Representation as units 1 and 2), the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.

(2) For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), the owners and operators shall comply with the Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR § 75.19 for NO_x and heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

22. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR

NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or

between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel., D-Series Fuel Type #2 = Liquid fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Liquid fossil fuel.
DCK-F1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DSLUNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				VOC	
EM-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-4	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EM-4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TKLORV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	D1EHC11CFRV, D1HSU11SORV, D1LOR11V, D1LOR12V, D2EHC21CFRV, D2FDF21LORV, D2FDF22LORV, D2GRF21LORV, D2GRF22LORV, D2HSU21SORV, D2LOR21V, D2LOR22V, GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV,	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, GT4BGELORV			
GRP-TSTACK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB	STATIONARY TURBINES	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
USEDLDG	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-2	EU	R2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(b)(2) § 60.45(b)(4)	None	None
D-2	EU	60D-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DSLUNLD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EM-4	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y			
USEDLDG	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO_2	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 86 ng/J (0.20 lb/MMBtu)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NO_X	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions not to exceed value calculated in §60.44(b)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
D-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-1	N/A	40 CFR Part 60, Subpart D	Construction, reconstruction, or modification commenced prior to August 17, 1971
D-1	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-1	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-1	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-1	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
D-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-2	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-2	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-2	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-2	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
DCK-F1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DCK-F1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DCK-F2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used a VOC control device
DCK-F2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DD65DST4	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank capacity is less than 1,000 gallons.
DD65DST4	N/A	40 CFR Part 60, Subpart K	Tank was placed into service after May 19, 1978.
DD65DST4	N/A	40 CFR Part 60, Subpart Ka	Tank was placed into service after July 23, 1984.
DD65DST4	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
EM-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
EM-1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
EM-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-3	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
EM-3	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-3	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	30 TAC Chapter 115, Water Separation	VOC true vapor pressure is less than 1.5 psia
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40 CFR Parts 60, 61, or 63 that is applicable to the site
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1,	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK		
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TKFO1	FST11, FST12	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart K	Fuel oil stored does not meet the definition of petroleum liquid
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Ka	Construction, reconstruction, or modification commenced prior to May 18, 1978

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Kb	Construction, reconstruction, or modification commenced prior to July 23, 1984
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR,	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR,	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TSTACK	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart GG	Construction, reconstruction, or modification commenced prior to October 3, 1977
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification commenced prior to February 18, 2005
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAPs

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
HEATERS	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
HEATERS	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
LPGCANISTR	N/A	30 TAC Chapter 115, Storage of VOCs	The storage capacity for LPG canisters is less than 1,000 gallons
PAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site is not subject to the subpart because spray any application of coatings that contain chromium, lead, manganese, nickel, or cadmium, and meets the definition of facility maintenance, and the plant does not perform paint stripping using MeCl.
PAINT	N/A	40 CFR Part 63, Subpart MMMM	Site is not a major source of HAPs
PARTCLN1	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN1	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents
PARTCLN2	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN2	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX717M2	Issuance Date: 09/30/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 09/30/2019
Authorization No.: 2629	Issuance Date: 09/26/2016
Authorization No.: 45532	Issuance Date: 06/20/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APISEP	MAIN OIL/WATER SEPARATOR	17380, PSDTX717M2
D-1	BOILER STACK 1	45532
D-1	BOILER UNIT 1	45532
D1EHC11CFR	UNIT 1 ELECTRO-HYDRAULIC CONTROL FLUID RES #11	45532
D1EHC11CFRV	UNIT 1 ELCTRO-HYDRAULIC CNTRL FLUID RES #11 - VENT	45532
D1HSU11SOR	UNIT 1 SEAL OIL RESERVOIR	45532
D1HSU11SORV	UNIT 1 SEAL OIL RESERVOIR - VENT TO ATM	45532
D1LOR11	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11	45532
D1LOR11V	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11 - VENT	45532
D1LOR12	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LOR12V	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LST11	UNIT 1 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D1LST12	UNIT 1 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D1LST13	UNIT 1 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
D-2	BOILER STACK 2	2629, 45532
D-2	BOILER UNIT 2	2629, 45532
D2EHC21CFR	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2EHC21CFRV	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2FDF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
D2FDF22LORV	UNIT FORCED DRAFT FAN AND RECIR FAN LUB OIL RES	2629
D2GRF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2HSU21SOR	UNIT 2 SEAL OIL RESERVOIR	2629
D2HSU21SORV	UNIT 2 SEAL OIL RESERVOIR - VENT TO ATM	2629
D2IODT21	UNIT 2 IGNITER OIL DROP OUT TANK	106.472/09/04/2000
D2LOR21	UNIT 2 MAIN TURBINE LUBE OIL RESERVOIR #21	2629
D2LOR21V	UNIT 2 MAIN TURBINE OIL RES #21 - VENT TO ATM	2629
D2LOR22	UNIT 2 MAIN BOILER FEED PUMP LUBE OIL RES #22	2629
D2LOR22V	UNIT 2 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #22	2629
D2LST21	UNIT 2 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D2LST22	UNIT 2 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D2LST23	UNIT 2 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
DCK-F1	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DCK-F2	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DD65DST1	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST2	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST4	660 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
DDOWSEP	DISCHARGE DITCH OIL/WATER SEPARATOR	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DOFPDST1	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 1	106.472/09/04/2000
DOFPDST2	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 2	106.472/09/04/2000
DSLUNLD	FUEL OIL UNLOADING TO STORAGE TANKS	106.472/09/04/2000
EM-1	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-2	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 315 HP	106.511/09/04/2000
EM-3	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-4	DIESEL-FIRED EMERGENCY GENERATOR ENGINE, 762 HP	106.511/09/04/2000
FLTDSLST	FLEET SERVICES BIODIESEL STORAGE - 500 GAL	106.412/09/04/2000
FLTGASST	FLEET SERVICES GASOLINE STORAGE TANK - 500 GAL	106.412/09/04/2000
FST11	FUEL OIL STORAGE TANK	106.472/09/04/2000
FST12	IGNITER FUEL OIL	106.472/09/04/2000
GT1AFTLOR	GAS TURBINE TWIN PACK 1A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A STACK	17380, PSDTX717M2
GT1AGELOR	GAS TURBINE TWIN PACK 1A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLOR	GAS TURBINE TWIN PACK 1B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B STACK	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT1BGELOR	GAS TURBINE TWIN PACK 1B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1GENLOR	GAS TURBINE TWIN PACK 1 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT2AFTLOR	GAS TURBINE TWIN PACK 2A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A STACK	17380, PSDTX717M2
GT2AGELOR	GAS TURBINE TWIN PACK 2A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2AGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLOR	GAS TURBINE TWIN PACK 2B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B STACK	17380, PSDTX717M2
GT2BGELOR	GAS TURBINE TWIN PACK 2B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2GENLOR	GAS TURBINE TWIN PACK 2 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT3AFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A STACK	17380, PSDTX717M2
GT3AGELOR	GAS TURBINE TWIN PACK 3 GAS TURBINE LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT3AGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B STACK	17380, PSDTX717M2
GT3BGELOR	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3GENLOR	GAS TURBINE TWIN PACK 3 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT4AFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A STACK	17380, PSDTX717M2
GT4AGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B STACK	17380, PSDTX717M2
GT4BGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4GENLOR	GAS TURBINE TWIN PACK 4 GENERATOR LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HEATERS	SPACE HEATERS	17380, PSDTX717M2
LPGCANISTR	LPG CANISTERS	106.475/09/04/2000
PAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTCLN1	PARTS CLEANER	17380, PSDTX717M2
PARTCLN2	PARTS CLEANER	17380, PSDTX717M2
TKOWSEPE	TANK FARM OIL/WATER SEPARATOR EAST	17380, PSDTX717M2
TKOWSEPN	TANK FARM OIL/WATER SEPARATOR NORTH	17380, PSDTX717M2
USEDLDG	USED OIL LOADING TO TANK TRUCKS	17380, PSDTX717M2
WOTNK	500 GAL WASTE OIL STORAGE TANK ON OIL/WATER SEP.	17380, PSDTX717M2
WTCST10	WATER TREATMENT CHEMCIAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST1	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST2	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST3B	WATER TREATMENT CHEM STORAGE - CONC HCL 300 GAL	17380, PSDTX717M2
WTCST3	WATER TREATMENT CHEMCIAL STORAGE - CON HCL 450 GAL	17380, PSDTX717M2
WTCST6	WATER TREATMENT CHEMCIAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST7	WATER TREATMENT CHEMICAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST8	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST9	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2

Alternative Requirement

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO_2 monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO_2 emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

John R. Hepola

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9,13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1	18	18, 21	
		PM	0.48	2.1	18	18, 21	
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26		GC7	
		H_2S	<0.01	<0.01		GC7	
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01	18	18, 21	
		HCl	0.44	<0.01	18	18, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NH_3	0.01	0.01	18	18, 21	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01		GC7	
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01	18	18, 21	
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08		GC7	
		CO	<0.01	0.02		GC7	
		VOC	<0.01	<0.01		GC7	
		PM	<0.01	0.01		GC7	
		PM_{10}	<0.01	0.01		GC7	
		$PM_{2.5}$	<0.01	0.01		GC7	
		SO_2	0.01	0.03		GC7	
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01	18	18, 19	
		VOC	1.23	0.10	18	18, 19	
		H_2S	<0.01	<0.01	18	18, 19	
MSSFUG	non-ILE Maintenance Emissions (5)	VOC	1.67	2.18	18	18, 19	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	(Attachment B)	Exempt Solvent	1.67	0.02	18	18, 19	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide
MSS - maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.
(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

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Rapier, Edward

From: Rapier, Edward
Sent: Monday, May 18, 2020 12:15 PM
To: Joseph, Ravinder (Ravi); Harder, Curtis; Camilla Widenhofer
Subject: RE: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)
Attachments: Draft Permit O22 - City of Austin (Renewal, 29912) comments 05-18.pdf; OP-CRO1 signed 2020-05-18.pdf

Camilla,

Thanks for sending us the WDP for review. Attached is a copy of the Applicable Requirements Summary table with redline/strikeout edits showing our requested changes. The changes are discussed below.

Applicable Requirements Summary

- For Unit D-1, under SOP Index Number R1713-1 for 30 TAC Chapter 117, please add Recordkeeping citation § 117.3045(e)(6). The unit should be subject to this requirement for recordkeeping of test results.
- For Unit D-2, under SOP Index Number R1713-1 for 30 TAC Chapter 117, please add Recordkeeping citation § 117.3045(e)(6). The unit should be subject to this requirement for recordkeeping of test results.
- For Unit D-2, under SOP Index Number 60D-1 for SO2 for 40 CFR 60 Subpart D, please change monitoring citation § 60.45(b)(2) to § 60.45(b)(1). The unit is a fossil-fuel-fired steam generator that combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, please remove SOP Index Number 60D-2 for PM for 40 CFR 60 Subpart D. The unit is exempt from the PM standards specified in § 60.42(a)(1) because it combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, under SOP Index Number 60D-2 for PM (Opacity) for 40 CFR 60 Subpart D, please change the monitoring and testing citations as shown in the redline/strikeout edits. The unit is not required to operate a COMS because it is a fossil-fuel-fired steam generator that combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, under SOP Index Number 60D-2 for SO2 for 40 CFR 60 Subpart D, please change monitoring citation § 60.45(b)(2) to § 60.45(b)(1). The unit is a fossil-fuel-fired steam generator that combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, please remove SOP Index Number 60D-3 for PM for 40 CFR 60 Subpart D. The unit is exempt from the PM standards specified in § 60.42(a)(1) because it combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, under SOP Index Number 60D-3 for PM (Opacity) for 40 CFR 60 Subpart D, please change the monitoring and testing citations as shown in the redline/strikeout edits. The unit is not required to operate a COMS because it is a fossil-fuel-fired steam generator that combusts only gaseous or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.
- For Unit D-2, under SOP Index Number 60D-3 for SO2 for 40 CFR 60 Subpart D, please change monitoring citation § 60.45(b)(2) to § 60.45(b)(1). The unit is a fossil-fuel-fired steam generator that combusts only gaseous

or liquid fossil fuel (excluding residual oil) with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use post-combustion technology to reduce emissions of SO2 or PM.

- For GRP-TURB, under SOP Index Number R7131-1, please add Reporting citations §117.3054(a) and §117.3054(a)(5) for inclusion of the units on the Final Control Plan.

Also, since unit D-2 is not subject to the PM standard in NSPS D as noted above, please remove the added Periodic Monitoring requirements for index nos. 60D-2 and 60D-3 for standard 60.42(a)(1), shown using strikeout in the attachment.

A signed OP-CRO1 is attached, covering the period of the review of the application from 11/16/2019 up to and including this response to the WDP.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Wednesday, April 22, 2020 10:21 AM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>
Subject: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

*** External email - Exercise caution ***

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have regarding it by May 20, 2020. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to your review of the WDP, please note the following:

1. For D-2 additional monitoring is needed for PM, therefore periodic monitoring option PM-P-029 was added.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN100219872	CN: CN600135198	Account No.: TH-0004-D
Permit No.: O22	Project No.: 29912	
Area Name: Decker Creek Power Plant	Company Name: City of Austin	

II. Certification Type *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☒ Update to Permit Application

☐ GOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Kathleen Garrett certify that I am the RO
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 11/16/2019 to 5/18/2020
Start Date *End Date*

Specific Dates: _____ _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: Kathleen Garrett Signature Date: 5/18/2020

Title: Interim Director of Power Plant Operations

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-2	EU	R2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(b)(1) ~~§ 60.45(b)(2)~~ § 60.45(b)(4)	None	None
D-2	EU	60D-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
~~D-2~~	~~EU~~	~~60D-2~~	~~PM~~	~~40 CFR Part 60, Subpart D~~	~~§ 60.42(a)(1)~~	~~On/after the performance tests of §60.8, no affected facility shall emit gases that contain PM in excess of 43 nanograms per joule (ng/J) heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.~~	~~§ 60.46(a)~~ ~~§ 60.46(b)(1)~~ ~~[G] § 60.46(b)(2)~~ ~~[G] § 60.46(d)(1)~~ ~~§ 60.46(d)(2)~~ ~~[G] § 60.46(d)(3)~~ ~~§ 60.46(d)(6)~~ ~~§ 60.46(d)(7)~~ ~~** See Periodic~~	~~None~~	~~None~~

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							~~Monitoring Summary~~		
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) ~~§ 60.45(a)~~ ~~§ 60.45(c)~~ ~~§ 60.45(c)(3)~~ ~~§ 60.45(g)~~ ~~§ 60.45(g)(1)~~ § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(b)(1) ~~§ 60.45(b)(2)~~ § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						any combination, the applicable standard is determined by proration using the specified formula.	[G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary		
~~D-2~~	~~EU~~	~~60D-3~~	~~PM~~	~~40 CFR Part 60, Subpart D~~	~~§ 60.42(a)(1)~~	~~On/after the performance tests of §60.8, no affected facility shall emit gases that contain PM in excess of 43 nanograms per joule (ng/J) heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.~~	~~§ 60.46(a)~~ ~~§ 60.46(b)(1)~~ ~~[G] § 60.46(b)(2)~~ ~~[G] § 60.46(d)(1)~~ ~~§ 60.46(d)(2)~~ ~~[G] § 60.46(d)(3)~~ ~~§ 60.46(d)(6)~~ ~~§ 60.46(d)(7)~~ ~~** See Periodic Monitoring Summary~~	~~None~~	~~None~~
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) ~~§ 60.45(a)~~ ~~§ 60.45(c)~~ ~~§ 60.45(c)(3)~~ ~~§ 60.45(g)~~ ~~§ 60.45(g)(1)~~ § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in	§ 60.45(b)(1) ~~§ 60.45(b)(2)~~ § 60.45(b)(4)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary		
D-2	EU	60D-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DSLUNLD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EM-4	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j) §117.3054(a) §117.3054(a)(5)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y			
USEDLDG	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

~~Periodic Monitoring Summary~~

~~Unit/Group/Process Information~~	
~~ID No.: D-2~~	
~~Control Device ID No.: N/A~~	~~Control Device Type: N/A~~
~~Applicable Regulatory Requirement~~	
~~Name: 40 CFR Part 60, Subpart D~~	~~SOP Index No.: 60D-2~~
~~Pollutant: PM~~	~~Main Standard: § 60.42(a)(1)~~
~~Monitoring Information~~	
~~Indicator: Fuel Type~~	
~~Minimum Frequency: Annually or at any time an alternate fuel is used~~	
~~Averaging Period: n/a~~	
~~Deviation Limit: If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9.~~	
~~Periodic Monitoring Text:~~ ~~Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.~~	

~~Periodic Monitoring Summary~~

~~Unit/Group/Process Information~~	
~~ID No.: D-2~~	
~~Control Device ID No.: N/A~~	~~Control Device Type: N/A~~
~~Applicable Regulatory Requirement~~	
~~Name: 40 CFR Part 60, Subpart D~~	~~SOP Index No.: 60D-3~~
~~Pollutant: PM~~	~~Main Standard: § 60.42(a)(1)~~
~~Monitoring Information~~	
~~Indicator: Fuel Type~~	
~~Minimum Frequency: Annually or at any time an alternate fuel is used~~	
~~Averaging Period: n/a~~	
~~Deviation Limit: If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9.~~	
~~Periodic Monitoring Text:~~ ~~Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.~~	

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From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Wednesday, April 22, 2020 10:21 AM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>
Subject: Technical Review & Working Draft Permit -- O22 City of Austin (Renewal, 29912)

*** External email - Exercise caution ***

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have regarding it by May 20, 2020. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to your review of the WDP, please note the following:

1. For D-2 additional monitoring is needed for PM, therefore periodic monitoring option PM-P-029 was added.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
City of Austin

AUTHORIZING THE OPERATION OF
Decker Creek Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Travis County, Texas
Latitude 30° 18' 13" Longitude 97° 36' 46"
Regulated Entity Number: RN100219872

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O22 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the

Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water

vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(1) (relating to Control Requirements)

B. Title 30 TAC § 115.512(2) (relating to Control Requirements)

C. Title 30 TAC § 115.516 (relating to Recordkeeping Requirements)

D. Title 30 TAC § 115.515 (relating to Testing Requirements)

E. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

F. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary

Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Alternative Requirements

17. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

19. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

20. For units D1 and D2 (identified in the Certificate of Representation as units 1 and 2), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating

Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained in 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such

documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

21. For units D-1, D-2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units 1, 2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the site identified by Plant code/ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall operate the source and the unit in compliance with the requirements of the CSAPR NO_x Ozone Season Group 2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units D-1 and D-2 (identified in the Certificate of Representation as units 1 and 2), the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.

(2) For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), the owners and operators shall comply with the Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR § 75.19 for NO_x and heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

22. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR

NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or

between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel., D-Series Fuel Type #2 = Liquid fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Liquid fossil fuel.
DCK-F1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DSLUNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				VOC	
EM-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-4	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EM-4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TKLORV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	D1EHC11CFRV, D1HSU11SORV, D1LOR11V, D1LOR12V, D2EHC21CFRV, D2FDF21LORV, D2FDF22LORV, D2GRF21LORV, D2GRF22LORV, D2HSU21SORV, D2LOR21V, D2LOR22V, GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV,	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, GT4BGELORV			
GRP-TSTACK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB	STATIONARY TURBINES	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
USEDLDG	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-2	EU	R2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(b)(2) § 60.45(b)(4)	None	None
D-2	EU	60D-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the performance tests of §60.8, no affected facility shall emit gases that contain PM in excess of 43 nanograms per joule (ng/J) heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G] § 60.46(b)(2) [G] § 60.46(d)(1) § 60.46(d)(2) [G] § 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							Monitoring Summary		
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(b)(2) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	60D-3	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the performance tests of §60.8, no affected facility shall emit gases that contain PM in excess of 43 nanograms per joule (ng/J) heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G] § 60.46(b)(2) [G] § 60.46(d)(1) § 60.46(d)(2) [G] § 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.45(b)(2) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 129 ng/J heat	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						input (0.3 lb/MMBtu) derived from the specified fuels.	[G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary		
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DSLUNLD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						than 1.5 psia is exempt from the requirements of this division except as specified.			
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)				
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j)
USEDLDG	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO_2	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 86 ng/J (0.20 lb/MMBtu)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NO_X	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions not to exceed value calculated in §60.44(b)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
D-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-1	N/A	40 CFR Part 60, Subpart D	Construction, reconstruction, or modification commenced prior to August 17, 1971
D-1	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-1	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-1	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-1	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
D-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-2	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-2	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-2	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-2	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
DCK-F1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DCK-F1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DCK-F2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used a VOC control device
DCK-F2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DD65DST4	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank capacity is less than 1,000 gallons.
DD65DST4	N/A	40 CFR Part 60, Subpart K	Tank was placed into service after May 19, 1978.
DD65DST4	N/A	40 CFR Part 60, Subpart Ka	Tank was placed into service after July 23, 1984.
DD65DST4	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
EM-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
EM-1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
EM-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-3	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
EM-3	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-3	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	30 TAC Chapter 115, Water Separation	VOC true vapor pressure is less than 1.5 psia
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40 CFR Parts 60, 61, or 63 that is applicable to the site
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1,	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK		
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons4
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TKFO1	FST11, FST12	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart K	Fuel oil stored does not meet the definition of petroleum liquid
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Ka	Construction, reconstruction, or modification commenced prior to May 18, 1978

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Kb	Construction, reconstruction, or modification commenced prior to July 23, 1984
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR,	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR,	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TSTACK	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart GG	Construction, reconstruction, or modification commenced prior to October 3, 1977
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification commenced prior to February 18, 2005
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAPs

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
HEATERS	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
HEATERS	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
LPGCANISTR	N/A	30 TAC Chapter 115, Storage of VOCs	The storage capacity for LPG canisters is less than 1,000 gallons
PAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site is not subject to the subpart because spray any application of coatings that contain chromium, lead, manganese, nickel, or cadmium, and meets the definition of facility maintenance, and the plant does not perform paint stripping using MeCl.
PAINT	N/A	40 CFR Part 63, Subpart MMMM	Site is not a major source of HAPs
PARTCLN1	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN1	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents
PARTCLN2	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN2	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX717M2	Issuance Date: 09/30/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 09/30/2019
Authorization No.: 2629	Issuance Date: 09/26/2016
Authorization No.: 45532	Issuance Date: 06/20/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APISEP	MAIN OIL/WATER SEPARATOR	17380, PSDTX717M2
D-1	BOILER STACK 1	45532
D-1	BOILER UNIT 1	45532
D1EHC11CFR	UNIT 1 ELECTRO-HYDRAULIC CONTROL FLUID RES #11	45532
D1EHC11CFRV	UNIT 1 ELCTRO-HYDRAULIC CNTRL FLUID RES #11 - VENT	45532
D1HSU11SOR	UNIT 1 SEAL OIL RESERVOIR	45532
D1HSU11SORV	UNIT 1 SEAL OIL RESERVOIR - VENT TO ATM	45532
D1LOR11	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11	45532
D1LOR11V	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11 - VENT	45532
D1LOR12	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LOR12V	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LST11	UNIT 1 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D1LST12	UNIT 1 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D1LST13	UNIT 1 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
D-2	BOILER STACK 2	2629, 45532
D-2	BOILER UNIT 2	2629, 45532
D2EHC21CFR	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2EHC21CFRV	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2FDF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
D2FDF22LORV	UNIT FORCED DRAFT FAN AND RECIR FAN LUB OIL RES	2629
D2GRF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2HSU21SOR	UNIT 2 SEAL OIL RESERVOIR	2629
D2HSU21SORV	UNIT 2 SEAL OIL RESERVOIR - VENT TO ATM	2629
D2IODT21	UNIT 2 IGNITER OIL DROP OUT TANK	106.472/09/04/2000
D2LOR21	UNIT 2 MAIN TURBINE LUBE OIL RESERVOIR #21	2629
D2LOR21V	UNIT 2 MAIN TURBINE OIL RES #21 - VENT TO ATM	2629
D2LOR22	UNIT 2 MAIN BOILER FEED PUMP LUBE OIL RES #22	2629
D2LOR22V	UNIT 2 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #22	2629
D2LST21	UNIT 2 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D2LST22	UNIT 2 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D2LST23	UNIT 2 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
DCK-F1	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DCK-F2	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DD65DST1	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST2	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST4	660 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
DDOWSEP	DISCHARGE DITCH OIL/WATER SEPARATOR	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DOFPDST1	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 1	106.472/09/04/2000
DOFPDST2	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 2	106.472/09/04/2000
DSLUNLD	FUEL OIL UNLOADING TO STORAGE TANKS	106.472/09/04/2000
EM-1	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-2	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 315 HP	106.511/09/04/2000
EM-3	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-4	DIESEL-FIRED EMERGENCY GENERATOR ENGINE, 762 HP	106.511/09/04/2000
FLTDSLST	FLEET SERVICES BIODIESEL STORAGE - 500 GAL	106.412/09/04/2000
FLTGASST	FLEET SERVICES GASOLINE STORAGE TANK - 500 GAL	106.412/09/04/2000
FST11	FUEL OIL STORAGE TANK	106.472/09/04/2000
FST12	IGNITER FUEL OIL	106.472/09/04/2000
GT1AFTLOR	GAS TURBINE TWIN PACK 1A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A STACK	17380, PSDTX717M2
GT1AGELOR	GAS TURBINE TWIN PACK 1A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLOR	GAS TURBINE TWIN PACK 1B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B STACK	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT1BGELOR	GAS TURBINE TWIN PACK 1B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1GENLOR	GAS TURBINE TWIN PACK 1 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT2AFTLOR	GAS TURBINE TWIN PACK 2A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A STACK	17380, PSDTX717M2
GT2AGELOR	GAS TURBINE TWIN PACK 2A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2AGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLOR	GAS TURBINE TWIN PACK 2B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B STACK	17380, PSDTX717M2
GT2BGELOR	GAS TURBINE TWIN PACK 2B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2GENLOR	GAS TURBINE TWIN PACK 2 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT3AFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A STACK	17380, PSDTX717M2
GT3AGELOR	GAS TURBINE TWIN PACK 3 GAS TURBINE LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT3AGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B STACK	17380, PSDTX717M2
GT3BGELOR	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3GENLOR	GAS TURBINE TWIN PACK 3 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT4AFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A STACK	17380, PSDTX717M2
GT4AGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B STACK	17380, PSDTX717M2
GT4BGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4GENLOR	GAS TURBINE TWIN PACK 4 GENERATOR LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HEATERS	SPACE HEATERS	17380, PSDTX717M2
LPGCANISTR	LPG CANISTERS	106.475/09/04/2000
PAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTCLN1	PARTS CLEANER	17380, PSDTX717M2
PARTCLN2	PARTS CLEANER	17380, PSDTX717M2
TKOWSEPE	TANK FARM OIL/WATER SEPARATOR EAST	17380, PSDTX717M2
TKOWSEPN	TANK FARM OIL/WATER SEPARATOR NORTH	17380, PSDTX717M2
USEDLDG	USED OIL LOADING TO TANK TRUCKS	17380, PSDTX717M2
WOTNK	500 GAL WASTE OIL STORAGE TANK ON OIL/WATER SEP.	17380, PSDTX717M2
WTCST10	WATER TREATMENT CHEMCIAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST1	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST2	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST3B	WATER TREATMENT CHEM STORAGE - CONC HCL 300 GAL	17380, PSDTX717M2
WTCST3	WATER TREATMENT CHEMCIAL STORAGE - CON HCL 450 GAL	17380, PSDTX717M2
WTCST6	WATER TREATMENT CHEMCIAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST7	WATER TREATMENT CHEMICAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST8	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST9	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2

Alternative Requirement

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO_2 monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO_2 emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

John R. Hepola

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
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		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1	18	18, 21	
		PM	0.48	2.1	18	18, 21	
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26		GC7	
		H_2S	<0.01	<0.01		GC7	
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01	18	18, 21	
		HCl	0.44	<0.01	18	18, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NH_3	0.01	0.01	18	18, 21	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01		GC7	
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01	18	18, 21	
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08		GC7	
		CO	<0.01	0.02		GC7	
		VOC	<0.01	<0.01		GC7	
		PM	<0.01	0.01		GC7	
		PM_{10}	<0.01	0.01		GC7	
		$PM_{2.5}$	<0.01	0.01		GC7	
		SO_2	0.01	0.03		GC7	
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01	18	18, 19	
		VOC	1.23	0.10	18	18, 19	
		H_2S	<0.01	<0.01	18	18, 19	
MSSFUG	non-ILE Maintenance Emissions (5)	VOC	1.67	2.18	18	18, 19	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	(Attachment B)	Exempt Solvent	1.67	0.02	18	18, 19	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide
MSS - maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.
(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

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Rapier, Edward

From: Rapier, Edward
Sent: Friday, March 20, 2020 1:23 PM
To: Camilla Widenhofer; Joseph, Ravinder (Ravi); Harder, Curtis
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)
Attachments: OP-UA6 Tbl 1a 1b 7 2020-03-20.pdf

Hello Camilla,

Attached are revised Tables 1a and 1b from Form OP-UA6. I also included Table 7 because a code for liquid fuel was added. The changes to the tables should not yield any different applicable citations for the emission units.

Please let us know if you need anything else.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Tuesday, March 10, 2020 11:32 AM
To: Rapier, Edward <edward.rapier@powereng.com>; Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; Harder, Curtis <curtis.harder@powereng.com>
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

Good Morning Ed,
Recent changes on form OP-UA6, Table 1 have resulted in a need for updates to the form submitted with this renewal application. Please submit the current version Form OP-UA6, Table 1 for D-2 no later than March 24, 2020.

Thank you,
-Camilla

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

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From: edward.rapier@powereng.com <edward.rapier@powereng.com>
Sent: Wednesday, February 19, 2020 2:43 PM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; curtis.harder@powereng.com; Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

Good afternoon Camilla,

Ravi asked me to help respond to your questions and review the WDP. This email responds to your questions on the case-by-case periodic monitoring for Unit D-2. We will submit comments on the balance of the WDP and provide a signed Form OP-CRO1 for any uncertified submittals in a subsequent email.

The November 15, 2019, application submittal included tables supporting the deviation limits proposed in Form OP-MON, Table 1c, for Unit D-2, Index Nos. R2-1, 60D-2 and 60D-3. Attached to this email please find detailed sample calculations that expand on the tabular demonstrations. The calculations show that a fuel sulfur content of 0.7 percent sulfur by weight is an appropriate deviation limit because it is more restrictive than the sulfur dioxide limits in 30 TAC Chapter 112.9(a), 40 CFR 60.43(b), and 40 CFR 60.43(a)(1).

Please let us know if you have any more questions on incorporating the proposed case-by-case periodic monitoring deviation limits.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Thursday, February 06, 2020 9:25 AM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have regarding it by March 4,

2020. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to your review of the WDP, please note for unit D-2, the proposed case-by-case periodic monitoring deviation limits have not been approved. Please provide the following information for review/approval:

- *For Index No **R2-1**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to the emission limit specified in 30 TAC Chapter 112.9(a);*

- *For Index No. **D-2**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to the emission limit in 40 CFR 60.43(b);*

- *For Index No. **D-3**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to 340 ng/J (0.80 lb/MMBtu) heat input limit in 40 CFR 60.43(a)(1).*

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

---

From: Camilla Widenhofer
Sent: Tuesday, January 28, 2020 8:16 AM
To: 'ravi.joseph@austinenergy.com' <ravi.joseph@austinenergy.com>
Subject: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

I have been assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O22 for City of Austin/Austin Energy. This application has been assigned Project No. 29912. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

I will contact you in the near future with a working draft permit for your review or request for additional information. Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,
-Camilla

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

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Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	**3/20/2020**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas or Liquid Fuel Only	Fuels with 0.33 % or Less Sulfur	Specific Site
D-2	60D-1	71-76	NO	NO	250+	NO	NO	NONE	NO	NO	NO
D-2	60D-2	71-76	NO	NO	250+	NO	NO	OTHER	NO	NO	NO
D-2	60D-3	71-76	NO	NO	250+	NO	NO	OTHER	NO	NO	NO

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	**3/20/2020**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Alternate 43D	Alternate 44E	Flue Gas Desulfurization	SO2 Monitoring	Cyclone-Fired Unit	NOX Monitoring Type
D-2	60D-1	NG			NONE	NO	NO	FLSAMP	NO	YES
D-2	60D-2	NG	LFF		NONE	NO	NO	FLSAMP	NO	YES
D-2	60D-3	LFF			NONE	NO	NO	FLSAMP	NO	YES

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 18)
Federal Operating Permit Program

Table 7: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds

Date:	**3/20/2020**
Permit No.:	**O22**
Regulated Entity No.:	**RN100219872**

Unit ID No.	SOP/GOP Index No.	Fuel Type	Date of Operation	Heat Input	Control Equipment	FCAA § 412(c)	Stack Height
D-2	R2-1	LQD		250+	NONE		NO

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From: Rapier, Edward
Sent: Wednesday, February 19, 2020 2:43 PM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>; Harder, Curtis <curtis.harder@powereng.com>; camilla.widenhofer@tceq.texas.gov
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

Good afternoon Camilla,

Ravi asked me to help respond to your questions and review the WDP. This email responds to your questions on the case-by-case periodic monitoring for Unit D-2. We will submit comments on the balance of the WDP and provide a signed Form OP-CRO1 for any uncertified submittals in a subsequent email.

The November 15, 2019, application submittal included tables supporting the deviation limits proposed in Form OP-MON, Table 1c, for Unit D-2, Index Nos. R2-1, 60D-2 and 60D-3. Attached to this email please find detailed sample calculations that expand on the tabular demonstrations. The calculations show that a fuel sulfur content of 0.7 percent sulfur by weight is an appropriate deviation limit because it is more restrictive than the sulfur dioxide limits in 30 TAC Chapter 112.9(a), 40 CFR 60.43(b), and 40 CFR 60.43(a)(1).

Please let us know if you have any more questions on incorporating the proposed case-by-case periodic monitoring deviation limits.

Regards

Ed Rapier

EDWARD RAPIER
PROJECT MANAGER

512-879-6649

POWER Engineers, Inc.
www.powereng.com

SO_2 Exhaust Concentration Calculations Demonstrating Compliance with 30 TAC §112.9(a) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

	D-2	Notes
Heat Input (MMBtu/hr)	4,501	Based on prior permit application representations.
Exhaust SO_2 concentration limit (ppmv)	440	This is the limitation for liquid fossil fuel combustion in 30 TAC §112.9(a).
Exhaust flow rate (scf/hr)	5.37E+07	Based on an assumed exhaust flow of 11,930 scf (referenced to 60 deg F) of wet exhaust gas per MMBTU of fuel oil combustion, assuming 15% excess air with 2.6% O_2 in exhaust.
Exhaust flow rate (acf/hr)	7.39E+07	Based on a 255-deg F stack temperature.
Maximum SO_2 in exhaust (acf/hr)	32,504	Based on the exhaust SO_2 concentration limit in 30 TAC §112.9(a).
Maximum SO_2 in exhaust (lb/hr)	3,911	Based on a Gas Law conversion using a site atmospheric pressure of 14.4 psia.
Sulfur in in exhaust (lb/hr)	1,957	Based on a molar conversion of SO_2 to equivalent sulfur, assuming 100% conversion of S to SO_2.
Fuel oil flow rate (lb/hr)	252,794	Based on a fuel oil heating value of 17,805 BTU/lb
Calculated maximum allowed sulfur content in fuel oil (wt %)	**0.77%**	Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is compliant with 30 TAC §112.9(a).

SO_2 Exhaust Concentration Calculations Demonstrating Compliance with 30 TAC §112.9(a) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

Calculate allowable SO_2 emissions based on the 30 TAC §112.9(a) exhaust SO_2 limit of 440 ppmv:

$$\frac{4{,}501\ \text{MMBtu}}{\text{hr}} \cdot \frac{11{,}960\ \text{scf exhaust}}{\text{MMBtu}} \cdot \frac{(459 + 255)\ °\text{R}}{(459 + 60)\ °\text{R}} \cdot \frac{440\ \text{cf } SO_2}{1\text{x}10^6\ \text{cf exhaust}} \cdot \frac{(\text{lbmol})(°\text{R})}{0.7302\ (\text{cf})(\text{atm})} \cdot \frac{(459 + 255)\ °\text{R}}{} \cdot \frac{1\ \text{atm}}{14.7\ \text{psia}} \cdot \frac{14.4\ \text{psia}}{} \cdot \frac{.04\ \text{lb } SO_2}{\text{lbmol}}$$

= 3,911lb SO2/hr allowed in exhaust based on 440 ppmv regulatory limit

Calculate the maximum fuel sulfur inlet rate that is compliant with the 30 TAC §112.9(a) exhaust limit:

$$\frac{3{,}911\ \text{lb } SO_2}{\text{hr}} \cdot \frac{\text{lbmol } SO_2}{64.04\ \text{lb SO2}} \cdot \frac{1\ \text{lbmol S}}{1\ \text{lbmol } SO_2} \cdot \frac{32.04\ \text{lb S}}{\text{lbmol S}} = 1{,}957\ \text{lb S/hr}$$

Calculate the allowed fuel sulfur content to be compliant with the 30 TAC §112.9(a) exhaust limit, based on the firing rate of the boiler:

$$\frac{1{,}957\ \text{lb S}}{\text{hr}} \cdot \frac{\text{hr}}{4{,}501\ \text{MMBtu}} \cdot \frac{17{,}805\ \text{Btu}}{\text{lb of fuel}} \cdot 100 = 0.77\ \text{wt \% Sulfur}$$

Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is less than the value of 0.77 wt % that is calculated to be compliant with 30 TAC §112.9(a). Therefore, demonstrating compliance with a fuel sulfur content limit of 0.7 wt % would also demonstrate compliance with 30 TAC §112.9(a) (Index No. R2-1).

SO_2 Emission Rate Calculations Demonstrating Compliance with 40 CFR §60.43(a)(1) and §60.43(b) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

	D-2	Notes
Emission Rate Limit for SO_2 (lb SO_2/MMBtu)	0.8	From 40 CFR §60.43(a)(1) and §60.43(b). The emission rate limits are numerically the same because the boiler does not fire solid fossil fuel.
Oil density (lb/gal)	7.05	AP-42 Appendix A
Oil heating value (Btu/gal)	140,000	AP-42 Appendix A
Molecular weight of S (lb/lbmol)	32	
Molecular weight of SO_2 (lb/lbmol)	64	
Conversion ratio of S to SO_2	1:1	
Calculated maximum allowed sulfur content in fuel oil (wt %)	**0.79%**	Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is compliant with 40 CFR §60.43(a)(1) and §60.43(b).

SO_2 Emission Rate Calculations Demonstrating Compliance with 40 CFR §60.43(a)(1) and §60.43(b) When Firing Oil with a Sulfur Content of 0.7% by Weight in Boiler Unit No. D-2 at Austin Energy's Decker Creek Power Plant

Calculate the maximum allowed fuel sulfur content based on the 40 CFR §60.43(a)(1) and §60.43(b) limit of 0.8 lb SO_2 /MMBtu:

$$\frac{0.8\ \text{lb } SO_2}{\text{MMBtu}} \cdot \frac{\text{lbmol } SO_2}{64.04\ \text{lb } SO_2} \cdot \frac{1\ \text{lbmol S}}{1\ \text{lbmol } SO_2} \cdot \frac{32.04\ \text{lb S}}{\text{lbmol S}} \cdot \frac{140{,}000\ \text{Btu}}{\text{gal}} \cdot \frac{\text{gal}}{7.05\ \text{lb fuel}} \cdot 100 = 0.79\ \text{wt \% Sulfur}$$

Special Condition No. 5 of NSR Permit No. 2629 limits the maximum fuel oil sulfur content for Unit D-2 to 0.7 wt %, which is less than the value of 0.79 wt % that is calculated to be compliant with 40 CFR §60.43(a)(1) and §60.43(b). Therefore, demonstrating compliance with a fuel sulfur content limit of 0.7 wt % would also demonstrate compliance with 40 CFR §60.43(a)(1) (Index No. 60D-2) and §60.43(b) (Index No. 60D-3).

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From: Camilla Widenhofer <camilla.widenhofer@tceq.texas.gov>
Sent: Thursday, February 06, 2020 9:25 AM
To: Joseph, Ravinder (Ravi) <Ravi.Joseph@austinenergy.com>
Subject: RE: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

*** External email - Exercise caution ***

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have regarding it by March 4, 2020. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to your review of the WDP, please note for unit D-2, the proposed case-by-case periodic monitoring deviation limits have not been approved. Please provide the following information for review/approval:

- *For Index No **R2-1**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to the emission limit specified in 30 TAC Chapter 112.9(a);*

- *For Index No. **D-2**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to the emission limit in 40 CFR 60.43(b);*

- *For Index No. **D-3**, please demonstrate how 0.7 percent sulfur content by weight is equivalent to 340 ng/J (0.80 lb/MMBtu) heat input limit in 40 CFR 60.43(a)(1).*

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Camilla Widenhofer
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-1028
Fax: (512)239-1300
camilla.widenhofer@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Camilla Widenhofer
Sent: Tuesday, January 28, 2020 8:16 AM
To: 'ravi.joseph@austinenergy.com' <ravi.joseph@austinenergy.com>
Subject: Technical Review -- FOP O22 - City of Austin/Austin Energy (Renewal, 29912)

I have been assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O22 for City of Austin/Austin Energy. This application has been assigned Project No. 29912. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

I will contact you in the near future with a working draft permit for your review or request for additional information. Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,
-Camilla

Camilla Widenhofer
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STATEMENT OF BASIS

Statement of Basis of the Federal Operating Permit

City of Austin

Site Name: Decker Creek Power Plant
Physical Location: 8003 Decker Ln
Nearest City: Austin
County: Travis

Permit Number: O22
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 221112
NAICS Name: Fossil Fuel Electric Power Generation

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

A description of the facility/area process description;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: June 22, 2020

Operating Permit
Basis of Determination

Permit Area Process Description
There are two boilers (D1 and D2) that are operated independently of each other and run by the general process of natural gas/fuel oil - boiler - generator - electrical power. The exhaust from this process is released into the atmosphere by stacks. The 2 boilers are subject to the Acid Rain and CSAPR Programs.

There are also 8 gas turbine units (GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT) that are subject to the CSAPR Program because they are all greater than 25 MW. However, they are not affected units subject to the Acid Rain Program because they are simple cycle turbines that commenced operation before November 15, 1990.

FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, SO2, PM, NOX, CO

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
  - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
  - Additional Monitoring Requirements
  - New Source Review Authorization Requirements
  - Compliance Requirements
  - Protection of Stratosphere Ozone
  - Permit Location
  - Permit Shield (30 TAC § 122.148)
- Attachments
  - Applicable Requirements Summary
    - Unit Summary
    - Applicable Requirements Summary
  - Additional Monitoring Requirements

    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	Yes
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CSAPR (Cross-State Air Pollution Rule)	Yes
Federal Implementation Plan for Regional Haze (Texas SO_2 Trading Program)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Acid Rain Permit

The permitted area is subject to Federal Clean Air Act Title IV Acid Rain rules for Phase II units, as codified in 40 CFR Parts 72 through 78, because it meets the definition of "affected source." Applicability of affected sources are defined in 40 CFR § 72.6 and include those sources that burn fossil fuel, and generates electricity for sale. Under 40 CFR Part 72, incorporated by reference into 30 TAC Chapter 122, all acid rain permits must contain specific terms and conditions,

including monitoring, reporting, recordkeeping and excess emission requirements, established by the U.S. EPA. The Title IV permitting procedures are described within 30 TAC Chapter 122, Subchapter E. The applicable requirements of the Acid Rain Permit are contained in the Special Terms and Conditions of the FOP. The Acid Rain permit is effective as of the date of the issuance of the FOP and has a term ending in concurrence with the FOP.

Cross-State Air Pollution Rule

The Cross-State Air Pollution Rule (CSAPR) was established to mitigate the interstate transport of NO_x and SO_2 which contribute to the formation of fine particles ($PM_{2.5}$) and ground-level ozone and has replaced the previous Clean Air Interstate Rule (CAIR) program. The EPA has promulgated a model cap and trade program in 40 CFR Part 97 to implement CSAPR. While Texas is no longer included in the CSAPR NO_X or SO_2 Annual Trading Programs, Texas remains included in the CSAPR NO_X Ozone Season Group 2 Trading Program for the 2008 Ozone National Ambient Air Quality Standards. This rule has been adopted by reference into 30 TAC Chapter 122 as part of an effective rulemaking (Rule Project No. 2016-012-122-AI), which included the repeal of 30 TAC Chapter 122, Subchapter E, Division 2: Clean Air Interstate Rule.

The permitted area is subject to CSAPR as it contains units that meet a definition of a CSAPR unit in 40 CFR Part 97 (CSAPR NO_x and SO_2 Trading Programs). The applicable CSAPR requirements are contained in the Special Terms and Conditions of the FOP.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.

17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DCK-F1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
DCK-F2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
EM-1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
EM-2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
EM-3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
EM-4	40 CFR Part 60, Subpart IIII	60IIII-1	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is an emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005. Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Model Year = CI ICE was manufactured in model year 2007. Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	
EM-4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.	
DSLUNLD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
USEDLDG	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
D-1	30 TAC Chapter 117, Subchapter E, Division 1	R7131-1	Date Placed in Service = Before December 31, 1995. Unit Exempt = The unit does not qualify for any exemptions under the rule. Location = The unit is not a gas-fired steam generator located in Palo Pinto County as specified in 30 TAC § 117.3005(a). NOx Emission Limitation = Title 30 TAC § 117.3010(1). Fuel = The unit is a gas fired electric power boiler. NOx Monitoring = A continuous emissions monitoring system is used to monitor NO_x emissions. Ammonia Use = Ammonia injection is not used to control NO_x emissions.	Replaced recordkeeping [G]§117.3045(e) with §117.3045(e), (e)(1), (e)(2), (e)(3), [G](e)(5), (e)(6), and (e)(7) because §117.3045(e)(4) doesn't apply as the unit does not use chemical reactants to reduce NOx emissions. Replaced reporting requirement [G]§117.3054(a) with §117.3054(a), (a)(1)(A), (a)(2), (a)(3), and (a)(4) because §117.3054(a)(1)(B) doesn't apply because the unit is not complying with the System Cap requirements of §117.3020.
D-2	30 TAC Chapter 112, Sulfur Compounds	R2-1	Fuel Type = Liquid fuel. Heat Input = Design heat input is greater than 250 MMBtu/hr. Control Equipment = Unit not equipped with SO_2 control equipment. Stack Height = The effective stack height is at least the standard effective stack height for each stack to which the unit routes emissions.	
D-2	30 TAC Chapter 117, Subchapter E, Division 1	R7131-1	Date Placed in Service = Before December 31, 1995. Unit Exempt = The unit does not qualify for any exemptions under the rule. Location = The unit is not a gas-fired steam generator located in Palo Pinto County as specified in 30 TAC § 117.3005(a). NOx Emission Limitation = Title 30 TAC § 117.3010(1). Fuel = The unit is a gas fired electric power boiler. NOx Monitoring = A continuous emissions monitoring system is used to monitor NO_x emissions. Ammonia Use = Ammonia injection is not used to control NO_x emissions.	Replaced recordkeeping [G]§117.3045(e) with §117.3045(e), (e)(1), (e)(2), (e)(3), [G](e)(5), (e)(6), and (e)(7) because §117.3045(e)(4) doesn't apply as the unit does not use chemical reactants to reduce NOx emissions. Replaced reporting requirement [G]§117.3054(a) with §117.3054(a), (a)(1)(A), (a)(2), (a)(3), and (a)(4) because §117.3054(a)(1)(B) doesn't apply because the unit is not complying with the System Cap requirements of §117.3020.
D-2	40 CFR Part 60, Subpart D	60D-1	Construction/Modification Date = After August 17, 1971, and on or before December 22, 1976. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW). Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM. PM CEMS = The facility does not use a CEMS to measure PM. Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential SO_2 emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of SO_2 or PM. Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, SO_2, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average. Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX. D-Series Fuel Type #1 = Natural gas. Alternate 43D = No alternative requirement is used for SO_2, unit is complying with requirements of § 60.43(a) and (b). Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for NO_x. Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device. SO2 Monitoring = Fuel sampling and analysis. Cyclone-Fired Unit = The unit is not a cyclone-fired unit. NOx Monitoring Type = It was demonstrated during the performance test that emissions of NO_x are less than 70% of applicable standards in 40 CFR § 60.44.	
D-2	40 CFR Part 60, Subpart D	60D-2	Construction/Modification Date = After August 17, 1971, and on or before December 22, 1976. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW). Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM. PM CEMS = The facility does not use a CEMS to measure PM. Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential SO_2 emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of SO_2 or PM. Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, SO_2, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average. Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX. D-Series Fuel Type #1 = Liquid fossil fuel. D-Series Fuel Type #2 = Natural gas.	-- Affected Pollutant - PM(OPACITY): Added [G] to Recordkeeping requirements § 60.45(h)(1) and (h)(2) since all requirements apply.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Alternate 43D = No alternative requirement is used for SO_2, unit is complying with requirements of § 60.43(a) and (b). Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for NO_x. Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device. SO2 Monitoring = Fuel sampling and analysis. Cyclone-Fired Unit = The unit is not a cyclone-fired unit. NOx Monitoring Type = It was not demonstrated during the performance test that emissions of NO_x are less than 70% of applicable standards in 40 CFR § 60.44.	
D-2	40 CFR Part 60, Subpart D	60D-3	Construction/Modification Date = After August 17, 1971, and on or before December 22, 1976. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW). Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM. PM CEMS = The facility does not use a CEMS to measure PM. Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential SO_2 emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of SO_2 or PM. Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, SO_2, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average. Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.	
GRP-TURB	30 TAC Chapter 117, Subchapter E, Division 1	R7131-1	Date Placed in Service = Prior to December 31, 1995. Unit = Turbine that operates no more than an average of 10% of the hours per year, averaged over three most recent years, and no more than 20% of the hours in a single year.	Added §117.3003(2)(B) as a related standard to clarify the exemption for turbines that operates no more than an average of 10% of the hours per year, averaged over three most recent years, and no more than 20% of the hours in a single year. Added §117.3040(i) as a monitoring/testing requirement since run time meters monitor periods of operation. The DSS lists this only as a recordkeeping requirement and will be corrected at a later date.
GRP-TURB	40 CFR Part 60, Subpart GG	60GG-1	Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr) Construction/Modification Date = On or before October 3, 1977. NOx Control Method = Water or steam injection only.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRP-TURB	40 CFR Part 60, Subpart GG	60GG-2	Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr) Construction/Modification Date = On or before October 3, 1977. NOx Control Method = Water or steam injection only.	
D-1	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = On or before January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
D-2	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
GRP-TKLORV	30 TAC Chapter 115, Vent Gas Controls	R5121-1	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRP-TSTACK	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
PARTCLN1	30 TAC Chapter 115, Degreasing Processes	R5412-1	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = No solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
PARTCLN2	30 TAC Chapter 115, Degreasing Processes	R5412-1	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = No solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	

* - The “unit attributes” or operating conditions that determine what requirements apply
** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit (FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room,

located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the "as applicable" language. The "as applicable" language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

New Source Review Authorization References

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX717M2	Issuance Date: 09/30/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 09/30/2019
Authorization No.: 2629	Issuance Date: 09/26/2016
Authorization No.: 45532	Issuance Date: 06/20/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Basis of monitoring: A common way to determine SO2 emissions is by determining the amount (percentage) of sulfur in fuel combusted by an emission unit. This quantity along with stack flow rate and quantity of fuel combusted may be used to calculate the amount of SO2 emitted to the atmosphere.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO2	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Basis of monitoring: A common way to determine SO2 emissions is by determining the amount (percentage) of sulfur in fuel combusted by an emission unit. This quantity along with stack flow rate and quantity of fuel combusted may be used to calculate the amount of SO2 emitted to the atmosphere.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Basis of monitoring: A common way to determine SO2 emissions is by determining the amount (percentage) of sulfur in fuel combusted by an emission unit. This quantity along with stack flow rate and quantity of fuel combusted may be used to calculate the amount of SO2 emitted to the atmosphere.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NOX	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 86 ng/J (0.20 lb/MMBtu)	
Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NOX	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.	

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NOX	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions not to exceed value calculated in §60.44(b)	
Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.	

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Obtaining Permit Documents

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (https://www.tceq.texas.gov/goto/cfr-online). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Historical Standard Exemption lists may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on January 28, 2020.
   Site rating: 1.09 / Satisfactory Company rating: 3.66 / Satisfactory
   (High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)
2. Has the permit changed on the basis of the compliance history or site/company rating?.....No

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes

OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes

DRAFT PERMIT

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
City of Austin

AUTHORIZING THE OPERATION OF
Decker Creek Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Travis County, Texas
Latitude 30° 18' 13" Longitude 97° 36' 46"
Regulated Entity Number: RN100219872

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: _____O22_____Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the

Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water

vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(1) (relating to Control Requirements)

B. Title 30 TAC § 115.512(2) (relating to Control Requirements)

C. Title 30 TAC § 115.516 (relating to Recordkeeping Requirements)

D. Title 30 TAC § 115.515 (relating to Testing Requirements)

E. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

F. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary

Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Alternative Requirements

17. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

19. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

20. For units D1 and D2 (identified in the Certificate of Representation as units 1 and 2), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating

Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained in 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such

documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

21. For units D-1, D-2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units 1, 2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the site identified by Plant code/ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall operate the source and the unit in compliance with the requirements of the CSAPR NO_x Ozone Season Group 2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units D-1 and D-2 (identified in the Certificate of Representation as units 1 and 2), the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.

(2) For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), the owners and operators shall comply with the Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR § 75.19 for NO_x and heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

22. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR

NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or

between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore, the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel., D-Series Fuel Type #2 = Liquid fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Liquid fossil fuel.
DCK-F1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DSLUNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
EM-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-4	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EM-4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TKLORV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	D1EHC11CFRV, D1HSU11SORV, D1LOR11V, D1LOR12V, D2EHC21CFRV, D2FDF21LORV, D2FDF22LORV, D2GRF21LORV, D2GRF22LORV, D2HSU21SORV, D2LOR21V, D2LOR22V, GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV,	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, GT4BGELORV			
GRP-TSTACK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB	STATIONARY TURBINES	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
USEDLDG	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-2	EU	R2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(b)(2) § 60.45(b)(4)	None	None
D-2	EU	60D-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(b)(2) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3)	None	§ 60.45(g)
D-2	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.45(b)(2) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DSLUNLD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)				
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4218 § 89.112(a)	and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
EM-4	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						(relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y			
USEDLDG	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur concentration = 440 ppmv	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO_2	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum SO_2 emissions = 340 ng/J (0.80 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum SO_2 emissions not to exceed value as calculated in §60.43(b)	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 86 ng/J (0.20 lb/MMBtu)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NO_X	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions not to exceed value calculated in §60.44(b)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
D-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-1	N/A	40 CFR Part 60, Subpart D	Construction, reconstruction, or modification commenced prior to August 17, 1971
D-1	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-1	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-1	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-1	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
D-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-2	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-2	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-2	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-2	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
DCK-F1	N/A	30 TAC Chapter 115, Vent Gas	The exhaust gas stream is from a combustion unit not

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
		Controls	being used as a VOC control device
DCK-F1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DCK-F2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used a VOC control device
DCK-F2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DD65DST4	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank capacity is less than 1,000 gallons.
DD65DST4	N/A	40 CFR Part 60, Subpart K	Tank was placed into service after May 19, 1978.
DD65DST4	N/A	40 CFR Part 60, Subpart Ka	Tank was placed into service after July 23, 1984.
DD65DST4	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
EM-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
EM-1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
EM-2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-3	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
EM-3	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-3	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	30 TAC Chapter 115, Water Separation	VOC true vapor pressure is less than 1.5 psia
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40 CFR Parts 60, 61, or 63 that is applicable to the site
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21,	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK		
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TKFO1	FST11, FST12	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart K	Fuel oil stored does not meet the definition of petroleum liquid
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Ka	Construction, reconstruction, or modification commenced prior to May 18, 1978
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Kb	Construction, reconstruction, or modification commenced prior to July 23, 1984
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR,	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR,	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TSTACK	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart GG	Construction, reconstruction, or modification commenced prior to October 3, 1977
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification commenced prior to February 18, 2005
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAPs

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
HEATERS	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
HEATERS	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
LPGCANISTR	N/A	30 TAC Chapter 115, Storage of VOCs	The storage capacity for LPG canisters is less than 1,000 gallons
PAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site is not subject to the subpart because spray any application of coatings that contain chromium, lead, manganese, nickel, or cadmium, and meets the definition of facility maintenance, and the plant does not perform paint stripping using MeCl.
PAINT	N/A	40 CFR Part 63, Subpart MMMM	Site is not a major source of HAPs
PARTCLN1	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN1	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents
PARTCLN2	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN2	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX717M2	Issuance Date: 09/30/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 09/30/2019
Authorization No.: 2629	Issuance Date: 09/26/2016
Authorization No.: 45532	Issuance Date: 06/20/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APISEP	MAIN OIL/WATER SEPARATOR	17380, PSDTX717M2
D-1	BOILER STACK 1	45532
D-1	BOILER UNIT 1	45532
D1EHC11CFR	UNIT 1 ELECTRO-HYDRAULIC CONTROL FLUID RES #11	45532
D1EHC11CFRV	UNIT 1 ELCTRO-HYDRAULIC CNTRL FLUID RES #11 - VENT	45532
D1HSU11SOR	UNIT 1 SEAL OIL RESERVOIR	45532
D1HSU11SORV	UNIT 1 SEAL OIL RESERVOIR - VENT TO ATM	45532
D1LOR11	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11	45532
D1LOR11V	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11 - VENT	45532
D1LOR12	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LOR12V	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LST11	UNIT 1 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D1LST12	UNIT 1 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D1LST13	UNIT 1 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
D-2	BOILER STACK 2	2629, 45532
D-2	BOILER UNIT 2	2629, 45532
D2EHC21CFR	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2EHC21CFRV	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2FDF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
D2FDF22LORV	UNIT FORCED DRAFT FAN AND RECIR FAN LUB OIL RES	2629
D2GRF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2HSU21SOR	UNIT 2 SEAL OIL RESERVOIR	2629
D2HSU21SORV	UNIT 2 SEAL OIL RESERVOIR - VENT TO ATM	2629
D2IODT21	UNIT 2 IGNITER OIL DROP OUT TANK	106.472/09/04/2000
D2LOR21	UNIT 2 MAIN TURBINE LUBE OIL RESERVOIR #21	2629
D2LOR21V	UNIT 2 MAIN TURBINE OIL RES #21 - VENT TO ATM	2629
D2LOR22	UNIT 2 MAIN BOILER FEED PUMP LUBE OIL RES #22	2629
D2LOR22V	UNIT 2 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #22	2629
D2LST21	UNIT 2 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D2LST22	UNIT 2 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D2LST23	UNIT 2 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
DCK-F1	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DCK-F2	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DD65DST1	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST2	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST4	660 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
DDOWSEP	DISCHARGE DITCH OIL/WATER SEPARATOR	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DOFPDST1	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 1	106.472/09/04/2000
DOFPDST2	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 2	106.472/09/04/2000
DSLUNLD	FUEL OIL UNLOADING TO STORAGE TANKS	106.472/09/04/2000
EM-1	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-2	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 315 HP	106.511/09/04/2000
EM-3	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-4	DIESEL-FIRED EMERGENCY GENERATOR ENGINE, 762 HP	106.511/09/04/2000
FLTDSLST	FLEET SERVICES BIODIESEL STORAGE - 500 GAL	106.412/09/04/2000
FLTGASST	FLEET SERVICES GASOLINE STORAGE TANK - 500 GAL	106.412/09/04/2000
FST11	FUEL OIL STORAGE TANK	106.472/09/04/2000
FST12	IGNITER FUEL OIL	106.472/09/04/2000
GT1AFTLOR	GAS TURBINE TWIN PACK 1A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A STACK	17380, PSDTX717M2
GT1AGELOR	GAS TURBINE TWIN PACK 1A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLOR	GAS TURBINE TWIN PACK 1B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B STACK	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT1BGELOR	GAS TURBINE TWIN PACK 1B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1GENLOR	GAS TURBINE TWIN PACK 1 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT2AFTLOR	GAS TURBINE TWIN PACK 2A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A STACK	17380, PSDTX717M2
GT2AGELOR	GAS TURBINE TWIN PACK 2A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2AGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLOR	GAS TURBINE TWIN PACK 2B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B STACK	17380, PSDTX717M2
GT2BGELOR	GAS TURBINE TWIN PACK 2B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2GENLOR	GAS TURBINE TWIN PACK 2 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT3AFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A STACK	17380, PSDTX717M2
GT3AGELOR	GAS TURBINE TWIN PACK 3 GAS TURBINE LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT3AGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B STACK	17380, PSDTX717M2
GT3BGELOR	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3GENLOR	GAS TURBINE TWIN PACK 3 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT4AFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A STACK	17380, PSDTX717M2
GT4AGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B STACK	17380, PSDTX717M2
GT4BGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4GENLOR	GAS TURBINE TWIN PACK 4 GENERATOR LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HEATERS	SPACE HEATERS	17380, PSDTX717M2
LPGCANISTR	LPG CANISTERS	106.475/09/04/2000
PAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTCLN1	PARTS CLEANER	17380, PSDTX717M2
PARTCLN2	PARTS CLEANER	17380, PSDTX717M2
TKOWSEPE	TANK FARM OIL/WATER SEPARATOR EAST	17380, PSDTX717M2
TKOWSEPN	TANK FARM OIL/WATER SEPARATOR NORTH	17380, PSDTX717M2
USEDLDG	USED OIL LOADING TO TANK TRUCKS	17380, PSDTX717M2
WOTNK	500 GAL WASTE OIL STORAGE TANK ON OIL/WATER SEP.	17380, PSDTX717M2
WTCST10	WATER TREATMENT CHEMCIAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST1	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST2	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST3B	WATER TREATMENT CHEM STORAGE - CONC HCL 300 GAL	17380, PSDTX717M2
WTCST3	WATER TREATMENT CHEMCIAL STORAGE - CON HCL 450 GAL	17380, PSDTX717M2
WTCST6	WATER TREATMENT CHEMCIAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST7	WATER TREATMENT CHEMICAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST8	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST9	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2

Alternative Requirement

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO_2 monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO_2 emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

John R. Hepola

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9,13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1	18	18, 21	
		PM	0.48	2.1	18	18, 21	
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26		GC7	
		H_2S	<0.01	<0.01		GC7	
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01	18	18, 21	
		HCl	0.44	<0.01	18	18, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NH_3	0.01	0.01	18	18, 21	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01		GC7	
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01	18	18, 21	
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08		GC7	
		CO	<0.01	0.02		GC7	
		VOC	<0.01	<0.01		GC7	
		PM	<0.01	0.01		GC7	
		PM_{10}	<0.01	0.01		GC7	
		$PM_{2.5}$	<0.01	0.01		GC7	
		SO_2	0.01	0.03		GC7	
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01	18	18, 19	
		VOC	1.23	0.10	18	18, 19	
		H_2S	<0.01	<0.01	18	18, 19	
MSSFUG	non-ILE Maintenance Emissions (5)	VOC	1.67	2.18	18	18, 19	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	(Attachment B)	Exempt Solvent	1.67	0.02	18	18, 19	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide
MSS - maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.
(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

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FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
City of Austin

AUTHORIZING THE OPERATION OF
Decker Creek Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Travis County, Texas
Latitude 30° 18' 13" Longitude 97° 36' 46"
Regulated Entity Number: RN100219872

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O22 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the

Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water

vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(1) (relating to Control Requirements)

B. Title 30 TAC § 115.512(2) (relating to Control Requirements)

C. Title 30 TAC § 115.516 (relating to Recordkeeping Requirements)

D. Title 30 TAC § 115.515 (relating to Testing Requirements)

E. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

F. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary

Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Alternative Requirements

17. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

19. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

20. For units D1 and D2 (identified in the Certificate of Representation as units 1 and 2), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating

Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained in 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such

documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

21. For units D-1, D-2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units 1, 2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the site identified by Plant code/ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall operate the source and the unit in compliance with the requirements of the CSAPR NO_x Ozone Season Group 2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units D-1 and D-2 (identified in the Certificate of Representation as units 1 and 2), the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.

(2) For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), the owners and operators shall comply with the Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR § 75.19 for NO_x and heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

22. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR

NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or

between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Gaseous fossil fuel., D-Series Fuel Type #2 = Liquid fossil fuel.
D-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Liquid fossil fuel.
DCK-F1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DSLUNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
EM-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-4	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EM-4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TKLORV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	D1EHC11CFRV, D1HSU11SORV, D1LOR11V, D1LOR12V, D2EHC21CFRV, D2FDF21LORV, D2FDF22LORV, D2GRF21LORV, D2GRF22LORV, D2HSU21SORV, D2LOR21V, D2LOR22V, GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV,	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, GT4BGELORV			
GRP-TSTACK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB	STATIONARY TURBINES	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
USEDLDG	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-2	EU	R2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-2	EU	R7131-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NOx) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(b)(1) § 60.45(b)(4)	None	None
D-2	EU	60D-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.45(h)(3) § 60.46(a)	§ 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.45(h)(3)	§ 60.45(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.46(b)(3)		
D-2	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.45(h)(3) § 60.46(a)	§ 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.45(h)(3)	§ 60.45(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.46(b)(3)		
D-2	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Alternative Requirements ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(4)(i)				
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DSLUNLD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4	For each existing emergency stationary CI	§ 63.6625(f) § 63.6625(i)	§ 63.6625(i) § 63.6655(d)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60.4202(a)(2) and 40 CFR 89.112(a).			
EM-4	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1)	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping,	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						and Reporting Requirements), do not apply to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y			
USEDLDG	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO_2	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Within 24 hours of adding any fuel oil to the storage tank	
Averaging Period: n/a	
Deviation Limit: Maximum sulfur content in fuel oil is 0.7 wt. %	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel per EPA Alternative Monitoring Requirement dated June 25, 1996. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 86 ng/J (0.20 lb/MMBtu)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NO_X	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NOx emissions not to exceed value calculated in §60.44(b)	
Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
D-1	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is not a liquid fuel-fired steam generator, furnace, or heater.
D-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-1	N/A	40 CFR Part 60, Subpart D	Construction, reconstruction, or modification commenced prior to August 17, 1971
D-1	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-1	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-1	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-1	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.
D-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-2	N/A	40 CFR Part 60, Subpart Da	Construction, reconstruction, or modification commenced prior to September 18, 1978
D-2	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification commenced prior to June 19, 1984
D-2	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification commenced prior to June 9, 1989
D-2	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is not subject to the subpart because it is an electric utility steam generating unit as defined in the subpart.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DCK-F1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
DCK-F1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DCK-F2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used a VOC control device
DCK-F2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
DCK-F2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
DD65DST4	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank capacity is less than 1,000 gallons.
DD65DST4	N/A	40 CFR Part 60, Subpart K	Tank was placed into service after May 19, 1978.
DD65DST4	N/A	40 CFR Part 60, Subpart Ka	Tank was placed into service after July 23, 1984.
DD65DST4	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
EM-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
EM-1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
EM-1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device
EM-2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-2	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
EM-3	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
EM-3	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-3	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005 and has not been modified or reconstructed
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	30 TAC Chapter 115, Water Separation	VOC true vapor pressure is less than 1.5 psia
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40 CFR Parts 60, 61, or 63 that is applicable to the site
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFO1	FST11, FST12	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart K	Fuel oil stored does not meet the definition of petroleum liquid
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Ka	Construction, reconstruction, or modification commenced prior to May 18, 1978
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Kb	Construction, reconstruction, or modification commenced prior to July 23, 1984
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR,	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TSTACK	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart GG	Construction, reconstruction, or modification commenced prior to October 3, 1977
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification commenced prior to February 18, 2005
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAPs
HEATERS	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device
HEATERS	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine
LPGCANISTR	N/A	30 TAC Chapter 115, Storage of VOCs	The storage capacity for LPG canisters is less than 1,000 gallons
PAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site is not subject to the subpart because it does not perform any of the activities specified in 40 CFR 63.11170(a)(1)-(3).
PAINT	N/A	40 CFR Part 63, Subpart MMMM	Site is not a major source of HAPs
PARTCLN1	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN1	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PARTCLN2	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container
PARTCLN2	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX717M2	Issuance Date: 09/30/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 09/30/2019
Authorization No.: 2629	Issuance Date: 09/26/2016
Authorization No.: 45532	Issuance Date: 06/20/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APISEP	MAIN OIL/WATER SEPARATOR	17380, PSDTX717M2
D-1	BOILER STACK 1	45532
D-1	BOILER UNIT 1	45532
D1EHC11CFR	UNIT 1 ELECTRO-HYDRAULIC CONTROL FLUID RES #11	45532
D1EHC11CFRV	UNIT 1 ELCTRO-HYDRAULIC CNTRL FLUID RES #11 - VENT	45532
D1HSU11SOR	UNIT 1 SEAL OIL RESERVOIR	45532
D1HSU11SORV	UNIT 1 SEAL OIL RESERVOIR - VENT TO ATM	45532
D1LOR11	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11	45532
D1LOR11V	UNIT 1 MAIN TURBINE LUBE OIL RESERVOIR #11 - VENT	45532
D1LOR12	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LOR12V	UNIT 1 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #12	45532
D1LST11	UNIT 1 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D1LST12	UNIT 1 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D1LST13	UNIT 1 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
D-2	BOILER STACK 2	2629, 45532
D-2	BOILER UNIT 2	2629, 45532
D2EHC21CFR	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2EHC21CFRV	UNIT 2 ELECTRO-HYDRAULIC CONTROL FLUID RES #21	2629
D2FDF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2FDF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
D2FDF22LORV	UNIT FORCED DRAFT FAN AND RECIR FAN LUB OIL RES	2629
D2GRF21LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF21LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LOR	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2GRF22LORV	UNIT 2 FORCED DRAFT FAN AND RECIR FAN LUBE OIL RES	2629
D2HSU21SOR	UNIT 2 SEAL OIL RESERVOIR	2629
D2HSU21SORV	UNIT 2 SEAL OIL RESERVOIR - VENT TO ATM	2629
D2IODT21	UNIT 2 IGNITER OIL DROP OUT TANK	106.472/09/04/2000
D2LOR21	UNIT 2 MAIN TURBINE LUBE OIL RESERVOIR #21	2629
D2LOR21V	UNIT 2 MAIN TURBINE OIL RES #21 - VENT TO ATM	2629
D2LOR22	UNIT 2 MAIN BOILER FEED PUMP LUBE OIL RES #22	2629
D2LOR22V	UNIT 2 MAIN BOILER FEEDWATER PUMP LUBE OIL RES #22	2629
D2LST21	UNIT 2 LUBE OIL STORAGE TANK 1	106.472/09/04/2000
D2LST22	UNIT 2 LUBE OIL STORAGE TANK 2	106.472/09/04/2000
D2LST23	UNIT 2 LUBE OIL STORAGE TANK 3	106.472/09/04/2000
DCK-F1	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DCK-F2	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DD65DST1	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST2	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST4	660 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
DDOWSEP	DISCHARGE DITCH OIL/WATER SEPARATOR	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DOFPDST1	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 1	106.472/09/04/2000
DOFPDST2	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 2	106.472/09/04/2000
DSLUNLD	FUEL OIL UNLOADING TO STORAGE TANKS	106.472/09/04/2000
EM-1	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-2	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 315 HP	106.511/09/04/2000
EM-3	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-4	DIESEL-FIRED EMERGENCY GENERATOR ENGINE, 762 HP	106.511/09/04/2000
FLTDSLST	FLEET SERVICES BIODIESEL STORAGE - 500 GAL	106.412/09/04/2000
FLTGASST	FLEET SERVICES GASOLINE STORAGE TANK - 500 GAL	106.412/09/04/2000
FST11	FUEL OIL STORAGE TANK	106.472/09/04/2000
FST12	IGNITER FUEL OIL	106.472/09/04/2000
GT1AFTLOR	GAS TURBINE TWIN PACK 1A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A STACK	17380, PSDTX717M2
GT1AGELOR	GAS TURBINE TWIN PACK 1A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLOR	GAS TURBINE TWIN PACK 1B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B STACK	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT1BGELOR	GAS TURBINE TWIN PACK 1B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1GENLOR	GAS TURBINE TWIN PACK 1 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT2AFTLOR	GAS TURBINE TWIN PACK 2A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A STACK	17380, PSDTX717M2
GT2AGELOR	GAS TURBINE TWIN PACK 2A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2AGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLOR	GAS TURBINE TWIN PACK 2B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B STACK	17380, PSDTX717M2
GT2BGELOR	GAS TURBINE TWIN PACK 2B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2GENLOR	GAS TURBINE TWIN PACK 2 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT3AFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A STACK	17380, PSDTX717M2
GT3AGELOR	GAS TURBINE TWIN PACK 3 GAS TURBINE LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GT3AGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B STACK	17380, PSDTX717M2
GT3BGELOR	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3GENLOR	GAS TURBINE TWIN PACK 3 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT4AFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A STACK	17380, PSDTX717M2
GT4AGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B STACK	17380, PSDTX717M2
GT4BGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4GENLOR	GAS TURBINE TWIN PACK 4 GENERATOR LUBE OIL RES	17380, PSDTX717M2

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HEATERS	SPACE HEATERS	17380, PSDTX717M2
LPGCANISTR	LPG CANISTERS	106.475/09/04/2000
PAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTCLN1	PARTS CLEANER	17380, PSDTX717M2
PARTCLN2	PARTS CLEANER	17380, PSDTX717M2
TKOWSEPE	TANK FARM OIL/WATER SEPARATOR EAST	17380, PSDTX717M2
TKOWSEPN	TANK FARM OIL/WATER SEPARATOR NORTH	17380, PSDTX717M2
USEDLDG	USED OIL LOADING TO TANK TRUCKS	17380, PSDTX717M2
WOTNK	500 GAL WASTE OIL STORAGE TANK ON OIL/WATER SEP.	17380, PSDTX717M2
WTCST10	WATER TREATMENT CHEMCIAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST1	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST2	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST3B	WATER TREATMENT CHEM STORAGE - CONC HCL 300 GAL	17380, PSDTX717M2
WTCST3	WATER TREATMENT CHEMCIAL STORAGE - CON HCL 450 GAL	17380, PSDTX717M2
WTCST6	WATER TREATMENT CHEMCIAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST7	WATER TREATMENT CHEMICAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST8	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST9	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2

Alternative Requirement

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO_2 monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO_2 emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

John R. Hepola

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9,13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1	18	18, 21	
		PM	0.48	2.1	18	18, 21	
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26		GC7	
		H_2S	<0.01	<0.01		GC7	
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01	18	18, 21	
		HCl	0.44	<0.01	18	18, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NH_3	0.01	0.01	18	18, 21	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01		GC7	
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01	18	18, 21	
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08		GC7	
		CO	<0.01	0.02		GC7	
		VOC	<0.01	<0.01		GC7	
		PM	<0.01	0.01		GC7	
		PM_{10}	<0.01	0.01		GC7	
		$PM_{2.5}$	<0.01	0.01		GC7	
		SO_2	0.01	0.03		GC7	
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01	18	18, 19	
		VOC	1.23	0.10	18	18, 19	
		H_2S	<0.01	<0.01	18	18, 19	
MSSFUG	non-ILE Maintenance Emissions (5)	VOC	1.67	2.18	18	18, 19	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: 09/30/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	(Attachment B)	Exempt Solvent	1.67	0.02	18	18, 19	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide
MSS - maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.
(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
City of Austin
Authorizing the Construction and Operation of
Decker Creek Power Plant
Located at **Austin, Travis County, Texas**
Latitude 30° 18′ 14″ Longitude −97° 36′ 47″

Permit: 17380 and PSDTX717M2

Revision Date: September 30, 2019

Expiration Date: October 31, 2022

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] [1]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
hp = horsepower
hr = hour lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen

NSPS = New Source Performance Standards
PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 17380 and PSDTX717M2

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emissions Rates (MAERT)," including planned maintenance, startup, and shutdown activities (MSS) listed, and those sources are limited to the emission limits on that table, and other conditions specified in this permit. **(7/17)**

   If one emission rate limitation is more stringent than another, the more stringent limitation shall govern and be the standard by which compliance will be demonstrated.

Emission Limits, Operational Limitations, and Work Practices

2. The concentration of emissions from the turbines [Emission Point Numbers (EPNs): GT-1 (A/B), GT-2 (A/B), GT-3 (A/B), and GT-4 (A/B) shall not exceed 45 parts per million by volume dry (ppmvd) of nitrogen oxides (NO_x) at 15% oxygen (O_2) subject to the following specifications: **(7/17)**

   A. Startup for the gas turbines is defined as the period that begins when fuel flow is first detected and ends when 20 megawatts (MW) of gross electrical output is achieved for each individual turbine or 40 MW of gross electrical output is achieved for each pair of gas turbines that power a common generator shaft. A startup shall not to exceed 120 minutes and is excluded from the concentration limit. **(7/17)**

   B. Shutdown for the gas turbines is defined as the period that begins when the fuel flow to each gas turbine falls below the level necessary to maintain 20 MW of gross electrical output for each individual turbine and 40 MW of gross electrical output for each pair of turbines that power a common generator shaft, and ends when the turbine (or turbines) is no longer receiving fuel. A shutdown shall not exceed 120 minutes and is excluded from the concentration limit. **(7/17)**

   C. Emissions from maintenance activities (Attachment A and B) are excluded from the concentration limit. **(7/17)**

3. For each gas turbine, variable water injection rates necessary to comply with NO_x concentration limits in Special Conditions No. 2 shall be controlled by the custom water injection algorithm supplied by the turbine supplier. These algorithms shall be calibrated, and the constants determined and set, during the initial stack sampling required in Special Condition No. 13. These injection rates shall be maintained during all periods of turbine operation except MSS periods as defined in Special Condition No. 2. These required water injection rates shall be used to determine continuous compliance with Special Condition Nos. 1 and 2. **(7/17)**

4. An inlet air fogger system on eight gas turbines (Facility Identification Nos. GT-1A through GT-4A and GT-1B through GT-4B) can be operated to reduce NO_x emissions during high ambient temperature situations. **(7/17)**

5. Opacity of emissions from the gas turbines shall not exceed 15 percent averaged over a six-minute period as required by Title 30, Texas Administrative Code (30 TAC), Section 111.111(a)(1)(C), except for those periods described in 30 TAC § 111.111(a)(1)(E). The permit holder shall demonstrate compliance with this Special Condition in accordance with the following procedures: **(2/12)**

   A. Visible emission observations shall be conducted and recorded at least once during each calendar quarter while the facilities are in operation, unless the emission unit is not operating for the entire calendar quarter.

   B. These observations shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point(s). Up to three emissions points may be read concurrently, provided that all three emissions points are within a 70 degree viewing sector or angle in front of the

observer such that the proper sun position (at the observer's back) can be maintained for all three emission points. A certified opacity reader is not required for these visible emission observations.

C. When condensed water vapor is present within the plume as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.

D. If no visible emissions are present during the observations conducted as specified in this Special Condition, then compliance with the opacity limit will have been demonstrated.

E. If visible emissions are present, the permit holder shall perform one of the following within 24 hours:

(1) Assume that a deviation of the opacity limit specified in this Special Condition has occurred, or;

(2) Conduct and record an opacity observation as determined by Title 40, Code of Federal Regulations (40 CFR) Part 60, Appendix A, Reference Method (RM) 9 to determine if an exceedance of the opacity limit of Special Condition Nos. 5 and 6 has occurred.

F. If a deviation has occurred, take corrective action within 48 hours.

6. Opacity of emissions from Emission Point Number (EPN): GT-VENTS (Attachment C) shall not exceed 20 percent as required by 30 TAC §111.111(a)(1)(B), except for those periods described in 30 TAC § 111.111(a)(1)(E).

7. Operational Limitation

A. Annual - Operation of any gas turbine in excess of 2,430 hours firing will require authorization from the Executive Director of the TCEQ. **(7/17).**

B. May 1 - September 30 every year– Each of the eight turbines (EPN: GT-1A and GT-4B) shall not exceed 400 hours of operations for the entire period. **(9/19)**.

8. The salamander heaters (EPN: HEATERS) shall be limited to operating no more than 5 of the heaters at a time. **(7/17)**

9. The permit holder will voluntarily limit emissions of NO_x to a combined total of 1,500 tons per year (tpy) from the Decker Creek Power Plant and the Sand Hill Energy Center. The permit holder further agrees to make the 1,500 tpy cap between these two facilities federally enforceable with this permit. **(2/12)**

Fuel Specifications

10. Fuel fired in gas turbines under this permit is limited to pipeline-quality sweet natural gas containing no more than 0.25 grains of hydrogen sulfide and 10.0 grains of total sulfur per 100 dry standard cubic feet (dscf). Use of any other fuel will require a modification to this permit. **(7/17)**

11. Fuel for the heaters (EPN: HEATERS) shall be limited to diesel containing no more than 0.05 percent sulfur by weight for both short- and long-term emission limits. **(2/12)**

12. The holder of this permit shall provide an analysis of the fuel used in the facilities or allow a Texas Commission on Environmental Quality (TCEQ) representative to obtain a sample for analysis upon request by the Executive Director of the TCEQ.

Initial Determination of Compliance

13. The holder of this permit shall perform stack testing and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from at least four of the eight gas turbines. The "B" turbines shall be tested due to the proximity of high voltage power lines near the "A" end of the generators. Sampling shall be conducted in accordance with appropriate procedures of TCEQ Sampling Procedures Manual and in accordance with the U.S. Environmental Protection Agency (EPA) RM 5 for particulate matter (PM), RM 10 for the concentration of carbon monoxide (CO), RM 20 for the concentrations of NO_x and diluent gas (oxygen or carbon dioxide) and RM 25 for the concentration of volatile organic compounds (VOC). Fuel sampling using the methods and procedures of 40 CFR, Part 60, Subpart GG may be conducted in lieu of stack sampling for sulfur dioxide (SO_2). Compliance with the maximum allowable emission rates shall be based on 100 percent conversion of the sulfur in the fuel to SO_2. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense. **(2/12)**

    A. The TCEQ Austin Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting. Notice shall include:

        (1) Date for pretest meeting.

        (2) Date sampling will occur.

        (3) Name of firm conducting sampling.

        (4) Type of sampling equipment to be used.

        (5) Method or procedure to be used in sampling.

        The purpose of the pretest meeting is to review necessary sampling and testing procedures, to provide proper data forms for recording pertinent data and to review format procedures for submitting test reports.

        A written proposed description of any deviation from sampling procedures specified in permit conditions, or the TCEQ or the EPA sampling procedures shall be made available to TCEQ at or prior to the pretest meeting. The Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in Special Condition No. 13B shall be submitted to TCEQ Office of Air, Air Permits Division in Austin.

    B. Air emissions to be tested for at full load include (but are not limited to) NO_x, CO, VOC, PM, and SO_2 while firing natural gas. NO_x and CO shall be sampled concurrently at the minimum point in the normal operating range, at base load and at the approximate midpoint based on the atmospheric conditions occurring during the test. **(9/19)**

    C. If any turbines tested exceed any applicable emission limit of this permit, that turbine shall not be operated on the fuel being fired when it exceeded the limit until it is able to comply with all emission limits as determined by further compliance tests.

    D. Sampling shall occur within 60 days after the facilities achieve maximum production, but not later than 180 days after initial startup of the facilities and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.

    E. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. Within 45 days after sampling is completed, reports shall be distributed as follows:

        (1) One copy to the TCEQ Austin Regional Office.

        (2) One copy to each appropriate local air pollution control program.

F. Initial determination of compliance stack testing was performed in March 1989 for burning pipeline-quality sweet natural gas. **(9/19)**

Continuous Determination of Compliance

14. The parameters measured shall include: compressor outlet static pressure (PS-4) in pounds per square inch, gauge (psig), ambient temperature (ºF) measured by the water injection system, and actual water and fuel injection rates in pounds per hour (lb/hr). These parameters shall be continuously monitored during turbine operations except during startup and shutdown periods. The facility monitoring systems and individual flow meters shall be accurate to ± 5.0 percent. At the discretion of the TCEQ these records may be used to determine violations of the emission limitation of Special Condition Nos. 1 and 2. **(7/17)**

15. For any gas turbines not stack sampled, the water injection rates and algorithm constants will be determined from the compliance sampling of other turbines. The algorithm constants for unsampled turbines will be set at the mean of the constants from the sampled turbines.

16. The holder of this permit shall maintain a water-to-fuel ratio of 0.44 or greater except for MSS periods as defined in Special Condition No. 2. This ratio will be used to evaluate compliance with emission limitations of Special Condition No. 2 and the MAERT. **(7/17)**

Maintenance, Startup, and Shutdown Compliance (2/12)

17. The emissions from planned MSS activities are reflected in the MAERT. The emissions will be minimized by the following:

    A. Facility and air pollution control equipment will be operated in a manner consistent with good air pollution control, safe operating practices, and protection of the facility.

    B. The duration of operation of the gas turbines (EPNs: GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B) during planned MSS activities will be minimized and applicable monitoring systems will be operated during such activities.

18. Emissions from planned MSS activities authorized by this permit shall be determined by the use of an appropriate method, including but not limited to any of following methods:

    A. Use of the emission factors, facility-specific parameters, manufacturer's emission factors, and/or engineering knowledge of the facility operations.

    B. Use of emissions data measured by a Continuous Emission Monitoring System (CEMS) or during emissions testing] during the same type of planned MSS activity occurring at or on an identical or similar facility, and correlation of those data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

    C. Use of emissions testing data collected during a planned maintenance activity occurring at or on the facility, and correlation of those data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

19. Compliance with the emissions limits for planned maintenance activities identified in this permit shall be demonstrated as follows.

    A. ILEs (Attachment A)

        (1) The total emissions from all ILE planned maintenance activities shall be considered to be no more than the estimated potential to emit for those activities that are represented

in the permit amendment application dated December 21, 2010 and subsequent associated submittals.

(2) The permit holder shall annually confirm the continued validity of the estimated potential to emit as represented in the permit amendment application dated December 21, 2010 and subsequent associated submittals.

B. For each pollutant emitted during non-ILE planned maintenance activities (Attachment B), the permit holder shall do the following for each calendar month:

(1) Determine the total emissions of the pollutant that result from such non-ILE planned maintenance activities in accordance with the methods listed in Special Condition No. 18; and

(2) Compare the pollutant's short-term (hourly) emissions during planned maintenance activities to the applicable short-term emissions limit in the MAERT; and

(3) Once the pollutant's emissions during planned maintenance activities have been measured for 12 months after the MSS permit amendment has been issued, add the rolling 12-month MSS emissions to the rolling 12-month normal operation emissions for the same period, and compare the total rolling 12-month emissions of the pollutant to the applicable annual emissions limit in the MAERT.

Recordkeeping

20. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TCEQ or any other air pollution control agency having jurisdiction. **(2/12)**

21. The following written records shall be maintained at the plant site by the holder of this permit on a five-year rolling retention basis and shall be made available to designated representatives of the TCEQ, the EPA, or any local air pollution control program having jurisdiction upon request. **(2/12)**

A. Operating records required by Special Condition No. 14 for each gas turbine. **(2/12)**

B. Startup and Shutdown records shall include the following: **(2/12)**

(1) Quantity of fuel used,

(2) Emissions from the event, and

(3) Date, time and duration of the event.

C. Records of visible emissions, opacity observations, any corrective action to demonstrate compliance with this permit. **(7/17)**

D. Records of monitored or calculated planned maintenance activities and emissions to demonstrate compliance with the conditions of this permit. **(7/17)**

Reporting

22. The holder of this permit shall submit to the TCEQ Regional Office annual reports that include hours of operation of the gas turbines, a summary of periods of emissions exceedances, a summary of water injection system downtimes by cause, and a verification that the parameter constants determined during the initial compliance test that are used as inputs to the water injection system algorithm for each turbine have not been changed. If the parameter constants have changed, the permit holder shall include documentation in the reports that justifies the change. **(2/12)**

Additional Authorizations

23. The following facilities are authorized through Permit by Rule under 30 TAC Chapter 106 and are listed here for reference purposes only. **(2/12)**

Source	Authorization
Soldering, Brazing, Welding	106.227
Coating, Painting Operations	106.263
Routine Maintenance, Startup, Shutdown of Facilities, and Temporary Maintenance Facilities	106.263
Dry Abrasive Cleaning	106.263
Hand-held & Manually Operated Machines	106.265
Vehicle Fuel Storage and Dispensing Operations	106.412
Fuel Oil Storage Tanks	106.472
Lube Oil Storage Tanks	106.472
LPG Canisters	106.475
Emergency Diesel Generators	106.511

Date: September 30, 2019

Permit Numbers 17380 and PSDTX717M2

Attachment A

Inherently Low Emitting Sources (EPN: ILEMSS)					
Activities	Emissions				
	NO_x	CO	VOC	PM	SO_2/H_2S
Management of sludge pits, ponds, sumps, and water conveyances[1]			X		
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instrumentation including sight glasses, meters, gauges, CEMS	X	X	X		
Small equipment and fugitive component repair/replacement in VOC service[2]			X		
Part cleaners			X		
Natural gas condensate and igniter oil knockout loading			X		
Gaseous Fuel Venting[3]			X		X

Date: July 5, 2017

[1] Includes, but is not limited to management by vacuum truck/dewatering of material in open pits, ponds, sumps, tanks, and other closed or open vessels. Material managed includes water/sludge materials containing miscellaneous VOCs such as diesel, lube oil, and other waste materials.

[2] Includes, but is not limited to the following: (a) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters, and screens utilized in natural gas, fuel/diesel/lube oil, ammonia, and gasoline service. (b) vehicle/mobile equipment maintenance that may involve small VOC emissions such as oil changes, transmission service, and hydraulic system service.

[3] Includes, but is not limited to venting associated with pipeline pigging and meter proving.

Permit Numbers 17380 and PSDTX717M2

Attachment B

Non-Inherently Low Emitting Sources (Non-ILEs)							
Activity	EPN	Emissions					
		NO_x	CO	VOC	PM	SO_2/H_2S	Exempt Solvent
Combustion Optimization[4]	GT-1 A/B GT-2 A/B GT-3 A/B GT-4 A/B	X	X	X	X	X	
Diagnostic Water Injection System Activities[5]	GT-1 A/B GT-2 A/B GT-3 A/B GT-4 A/B	X	X	X	X	X	
Organic chemical usage	MSSFUG			X			X

Date: July 5, 2017

[4] Includes, but is not limited to the following: (a) leak and operability checks (*e.g.* turbine over-speed test, trouble shooting). (b) balancing. (c) tuning activities that occur during seasonal tuning or after initial construction, a combustor change out, a major repair/maintenance to a combustor, or other similar circumstances.

[5] Includes, but is not limited to the following: trouble shooting inputs, power supply, water injection pumps, sensors, and other component checks.

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Attachment C

This permit authorizes maintenance emissions from the following groups. The headings for each group of facilities are used on the MAERT to identify all facilities in the respective group.

EPN: WTTNKS	
Description	FIN
Water Treatment Chemical - Nalco Eliminox	WTCST1
Water Treatment Chemical - Nalco Eliminox	WTCST2
Water Treatment Chemical - Hydrochloric Acid	WTCST3
Water Treatment Chemical - Hydrochloric Acid	WTCST3B
Water Treatment Chemical - Nalco 5711	WTCST6
Water Treatment Chemical - Nalco 5711	WTCST7
Water Treatment Chemical - Nalco Thurguard 404	WTCST8
Water Treatment Chemical - Nalco Thurguard 404	WTCST9
Water Treatment Chemical - Nalco Thurguard 404	WTCST10

EPN: GT-VENTS	
Description	EPN
Gas Turbine 1 Twin Pack - Lube Oil Reservoirs	GT1AFTLORV
	GT1BFTLORV
	GT1AGELORV
	GT1BGELORV
Gas Turbine 2 Twin Pack - Lube Oil Reservoirs	GT2AFTLORV
	GT2BFTLORV
	GT2AGELORV
	GT2BGELORV
Gas Turbine 3 Twin Pack - Lube Oil Reservoirs	GT3AFTLORV
	GT3BFTLORV
	GT3AGELORV
	GT3BGELORV
Gas Turbine 4 Twin Pack - Lube Oil Reservoirs	GT4AFTLORV
	GT4BFTLORV
	GT4AGELORV
	GT4BGELORV

EPN: OWS-TNKS	
Description	FIN
Main Oil/Water Separator	APISEP
Discharge Ditch Oil/Water Separator	DDOWSEP
Tank Farm Oil/Water Separator - North	TKOWSEPN
Tank Farm Oil/Water Separator - West	TKOWSEPE

Date: February 16, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 17380 and PSDTX717M2

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1
		PM	0.48	2.1
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26
		H_2S	<0.01	<0.01
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01
		HCl	0.44	<0.01
		NH_3	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08
		CO	<0.01	0.02
		VOC	<0.01	<0.01
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		SO_2	0.01	0.03
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01
		VOC	1.23	0.10
		H_2S	<0.01	<0.01
MSSFUG	non-ILE Maintenance Emissions (5) (Attachment B)	VOC	1.67	2.18
		Exempt Solvent	1.67	0.02

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide

Emission Sources - Maximum Allowable Emission Rates

MSS - maintenance, startup, and shutdown emissions

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.

(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Date: July 5, 2017

PUBLIC NOTICE INSTRUCTIONS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 22, 2020

MS KATHLEEN M GARRETT
INTERIM DIRECTOR OF POWER PLANT OPERATIONS
CITY OF AUSTIN
721 BARTON SPRINGS RD
AUSTIN TX 78704-1145

Re: Draft Federal Operating Permit and Acid Rain Permit Approval and Public Notice Authorization Renewal
Permit Number: O22
City of Austin
Decker Creek Power Plant
Austin, Travis County
Regulated Entity Number: RN100219872
Customer Reference Number: CN600135198

Dear Ms. Garrett:

The executive director has completed the technical review of your application as required by the Texas Clean Air Act (TCAA) § 382.0517, as codified in the Texas Health and Safety Code, and has determined that the above-referenced application is administratively complete on January 10, 2020. This letter provides notice of the following:

- instructions describing how to **publish notice** for the draft permit; and

- the executive director's proposed final action is to submit a draft federal operating permit (FOP) and acid rain permit, which serves as a proposed permit, to the U.S. Environmental Protection Agency (EPA) for **EPA review** to run concurrently with the public notice comment period, unless public comments are received or the executive director grants a hearing request. If EPA review is not concurrent, the EPA review period shall begin no earlier than the close of the public comment period or date of the hearing.

The Form OP-ACPS (Application Compliance Plan and Schedule) submitted with the permit application is still valid for all applicable requirements in the attached draft operating permit, including new source review authorizations. If the Form OP-ACPS is no longer correct for any reason, please submit updated Form OP-ACPS, including an updated compliance plan to Ms. Camilla Widenhofer, Air Permits Division. This updated compliance plan must be approved by the Texas Commission Environmental Quality (TCEQ) and added to the FOP before publication.

Public Notice
The TCEQ has prepared a draft permit for your final review and approval. The draft permit and statement of basis are available at the TCEQ Website:

www.tceq.texas.gov/goto/tvnotice

You are now required to publish notice for the draft permit. To help you meet the requirements associated with this notice, we have enclosed the following items:

- Instructions for Public Notice
- Public Notice Checklist
- Notice for Newspaper Publication and Sign Posting
- Affidavit of Publication for Air Permitting (Form TCEQ-20479) and Alternative Language Affidavit of Publication for Air Permitting (Form TCEQ-20480)

Please note that it is **very important** that you follow **all** directions in the enclosed instructions. If you do not, you may be required to republish the notice. A common mistake is the unauthorized changing of notice wording or font. If you have any questions, please contact us before you proceed with publication.

A "Public Notice Checklist" is enclosed which notes the time limitations for each step of the public notice process. This checklist should be used as a tool in conjunction with the enclosed, detailed instructions.

EPA Review
In accordance with Title 30 Texas Administrative Code § 122.350 (30 TAC § 122.350), the procedural requirements of 30 TAC § 122.320 of this title (relating to Public Notice), 30 TAC § 122.322 of this title (relating to Bilingual Public Notice), and the requirements for EPA review under this section may run concurrently. However, if any person submits comments, or the executive director grants a hearing request, the requirement for EPA review may not run concurrently with the period for public notice. If comments are received, the executive director will submit the comments, responses, to the comments a proposed permit and a statement of basis to the EPA and shall restart the 45-day EPA review.

If the EPA does not file an objection to a proposed FOP and acid rain permit, or the objection is resolved, the TCEQ will issue the FOP and acid rain permit. Any person affected by the decision of the TCEQ, including the applicant, may petition the EPA in accordance with TCAA § 382.0563, as codified in the Texas Health and Safety Code, and 30 TAC § 122.360 within 60 days of the expiration of the EPA's 45-day review period. The petition shall be based only on objections to the permit raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such objections within the public comment period, or the grounds for such objections arose after the public comment period. Additional requirements for the content and formatting of petitions are specified in Title 40 Code of Federal Regulations Part 70 (40 CFR § 70.12).

The EPA may only object to the issuance of any proposed permit that is not in compliance with the applicable requirements or the requirements of this chapter. The 60-day public petition period will begin on the day after the last day of the EPA review period. Public petitions should be submitted to the TCEQ,

the applicant and the EPA. Instructions on submitting a public petition to the EPA are available at the EPA website:

https://www.epa.gov/title-v-operating-permits/title-v-petitions

Public petitions should be submitted to the TCEQ at the following address:

Texas Commission Environmental Quality
Attn: Mr. Samuel Short, Director
Air Permits Division, MC-163
P.O. Box 13087
Austin, Texas 78711-3087

The TCEQ will make the draft FOP and acid rain permit, the statement of basis, FOP and acid rain permit application, compliance certification, and if applicable, the compliance plan and monitoring reports available to the public, EPA, and to the affected states and local programs as needed. If you do not comply with **all** requirements described in the instructions, further processing of your application may be suspended and your application voided, or the agency may take other action.

Thank you for your cooperation in this matter. If you have any questions regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300. If you have any other questions, please contact Ms. Camilla Widenhofer at (512) 239-1028.

Sincerely,

Jesse E. Chacon, P.E., Manager
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Mr. Ravi Joseph, Consulting Engineer, City of Austin, Austin
Environmental Program Coordinator, Office of Sustainability, City of Austin, Austin
Chief Epidemiologist, Austin Public Health, Epidemiology and Public Health Preparedness Division, Austin
Air Section Manager, Region 11 - Austin

Project Number: 29912

Public Notice Checklist

Notice of Draft Federal Operating Permit and Acid Rain Permit
(Title V Notice)

The following tasks must be completed for public notice. If publication in an alternative language is required, please complete the tasks for both the English and alternative language publications. Detailed instructions are included in the "Instructions for Public Notice" section of this package.

Within 30 calendar days after date of this letter
Publish *Notice of Draft Federal Operating Permit and Acid Rain Permit* in "public notice" section of newspaper. Review for accuracy prior to publishing. As part of the expedited permitting process, it is recommended that you publish immediately. Provide copy of complete application, including any subsequent revisions, statement of basis, and the draft permit at a public place for review and copying. Keep them there for duration of the designated comment period. Prepare signs.
First day of newspaper publication
Review published newspaper notice for accuracy. Post signs and keep them up for duration of the designated comment period. Ensure copy of complete application, including any subsequent revisions, statement of basis, and the draft permit are at the public place.
Within 2 business days after date of publication
Fax proof of publication to Ms. Camilla Widenhofer in Air Permits Division at 512-239-1300 or send it by e-mail to Camilla.Widenhofer@tceq.texas.gov.
Within 10 business days after date of publication
Mail proof of publication showing publication date and newspaper name to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team / AIR Expedited Permitting P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of proof of publication showing publication date and newspaper name to TCEQ Regional Office and each local program with jurisdiction over your site.
Within 30 calendar days after date of publication
Mail original affidavit of publication for air permitting and alternative language affidavit of publication for air permitting (if applicable) to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team / AIR Expedited Permitting P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of affidavits to Ms. Camilla Widenhofer in Air Permits Division.
Within 10 business days after end of the designated comment period
Mail Public Notice Verification Form and Form OP-CRO1 to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team / AIR Expedited Permitting P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of Public Notice Verification Form and Form OP-CRO1 to Ms. Camilla Widenhofer in Air Permits Division.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Instructions for Public Notice
For Federal Operating Permit and Acid Rain Permit

Notice of Draft Federal Operation Permit and Acid Rain Permit

We have completed the technical review of your application and have prepared a draft federal operating permit (FOP) and acid rain permit for public notice. The draft FOP and statement of basis are available at the Texas Commission on Environmental Quality (TCEQ or Commission) Website:

www.tceq.texas.gov/goto/tvnotice

You must comply with the following instructions:

Draft Permit Review

The draft FOP and acid rain permit is available for your final review and approval. During technical review of the application, the permit reviewer coordinated with you or your technical contact to address and resolve any outstanding issues. Contact the permit reviewer listed in the cover letter immediately if you have any questions related to the draft FOP and acid rain permit.

Notice Review

Included in the notice is all of the information which the commission believes is necessary to effectuate compliance with applicable public notice requirements. Please read it carefully and notify the permit reviewer listed in the cover letter immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information published. You may not change the text of the notice without prior approval from the TCEQ.

Newspaper Notice

- You must publish the enclosed *Notice of Draft Federal Operating Permit and Acid Rain Permit* **as soon as practical but no later than 30 calendar days** after the date on the cover letter with these instructions.

- You must publish the enclosed *Notice of Draft Federal Operating Permit and Acid Rain Permit*, at your expense, in the public notice section of one issue of a newspaper of general circulation in the municipality in which the site or proposed site is located, or the municipality nearest to the location of the site or proposed site.

- The bold text of the enclosed notice must be printed in the newspaper in a font style or size that distinguishes it from the rest of the notice (i.e., **bold**, *italics*). **Failure to do so may require re-notice.**

Alternative Language Notice

In certain circumstances, an applicant for an FOP and acid rain permit must complete notice in alternative languages.

- Public notice rules require the applicant to determine whether a bilingual program is required at either the elementary or middle school nearest to the facility or proposed facility location. Bilingual education programs are determined on a district-wide basis. When students who are required to attend either school are eligible to be enrolled in a bilingual education program, some alternative language notice is required (newspaper notice).

- Since the school district, and not the schools, must provide the bilingual education program, these programs do not have to be located at the elementary or middle schools nearest to the facility or proposed facility to trigger the alternative language notice requirement. Alternative language notice is required when students who would normally attend the nearest schools are eligible to be taught in a bilingual education program at a different location.

- If triggered, publications of alternative language notices must be made in a newspaper or publication printed primarily in each language taught in the bilingual education program. This notice is required if such a newspaper or publication exists in the municipality or the county where the facility is located or proposed to be located.

- The applicant must demonstrate a good faith effort to identify a newspaper or publication in the required language. If a newspaper or publication of general circulation published at least once a month in such language cannot be found, publishing in that language is not required, but signs must still be posted adjacent to each English language sign.

- The applicant has the burden to demonstrate compliance with these requirements. You must fill out the ***Public Notice Verification Form (TCEQ-20244)*** indicating your compliance with the requirements regarding publication in an alternative language. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html**.

- It is suggested the applicant work with the local school district to do the following:

  (a) determine if a bilingual program is required in the district;
  (b) determine which language is required by the bilingual program;
  (c) locate the nearest elementary and middle schools; and
  (d) determine if any students attending either school are eligible to be enrolled in a bilingual educational program.

- **If you determine that you must meet the alternative language notice requirements, you are responsible for ensuring that the publication in the alternative language is complete and accurate in that language. Since the most common bilingual programs are in Spanish, the TCEQ has provided example Spanish notice templates for your use. All italic notes should be replaced with the corresponding Spanish translations for the specific application and published in the alternative language publication. Electronic versions of the Spanish templates are available through the Air Permits Division Web site at www.tceq.texas.gov/goto/air/publicnotice**.

- If you are required to publish notice in a language other than Spanish, you must translate the entire public notice at your own expense.

Public Comment Period

- The public comment period should last at least **30 calendar days**.

- The comment period will be longer if the last day of the public comment period ends on a weekend or a holiday. In this case, the comment period will end on the next business day.

- The comment period for the permit may lengthen depending on whether a notice and comment hearing is held. If a hearing is held, the comment period will be extended to the date of the hearing.

Sign Posting

- You must also post a sign in English and as applicable, in each alternative language, referencing the draft FOP and acid rain permit.

- Please read the sign template carefully and notify the permit reviewer listed in the cover letter immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information for the sign posting. You may not change the text of the sign without prior approval from the TCEQ.

- Signs must be in place on the first day of publication in a newspaper and must remain in place and be legible for the entire comment period or the end of a notice and comment hearing, if a hearing is granted.

- The sign placed at the site must be located at or near the site main entrance, provided that the sign is legible from the public street. If the sign would not be legible from the public street, then the sign shall be placed within ten feet of a property line paralleling a public street.

- The executive director may approve variations if you demonstrate that it is not practical to comply with the specific sign posting requirements. The executive director must approve variations before signs are posted.

- All lettering on the sign must be no less than 1-1/2" in height and in block printed capital lettering.

- The sign must be at least 18" wide and 28" tall, and consist of dark lettering on a white background.

- Alternative language signs are required if alternative notice is required, even if no newspaper can be found.

- Inspect each sign posting daily to ensure they are present and visible throughout the comment period.

- You must submit certification of sign posting within **10 business days** after the end of the public comment period by completing and submitting ***Public Notice Verification Form (TCEQ-20244)***.

Proof of Publication and Public Notice Certification

- Check each publication to ensure that the articles were accurately published.

- You must fax or e-mail a copy of the **proof of publication** of each published notice which shows the complete notice that was published, date of publication, and the name of the newspaper to the permit reviewer, **within 2 business days of publication**. Acceptable proofs of publication are 1) copies of the published notice or 2) the original newspaper clippings of the published notice. If you choose to submit copies of the published notice to the Office of the Chief Clerk, copies must be on standard-size 8½'' x 11'' paper and must show the actual size of the published notice (do not reduce the image when making copies). Published notices longer than 11'' must be copied onto multiple 8½'' x 11'' pages. Please note, submitting a copy of your published notice could result in faster processing of your application. It is recommended that you maintain original newspaper clippings or tear sheets of the notice for your records.

- You must submit proof of publication of each published notice which shows the complete notice that was published, date of publication, and the name of the newspaper to the Office of the Chief Clerk. In addition, send a copy to the TCEQ Regional Office and to each local program with jurisdiction over your site, within **10 business days** after the date of publication. You are encouraged to submit the affidavit with the proof of publication described above.

- You must submit an **original publisher's affidavit** to the Office of the Chief Clerk within **30 calendar days** after the date of each publication. **You must use the enclosed affidavit form.** The affidavit must clearly identify the applicant's name and permit number.

- You must submit the ***Public Notice Verification Form (TCEQ-20244)*** to the Office of the Chief Clerk and return a copy of this form to the Air Permits Division, within **10 business days** of the end of the public comment period. You must use this form to verify that you have met sign posting requirements and bilingual notice requirements, as applicable. It is also used to verify that you placed a copy of the application, the statement of basis, and draft permit in a public place in the county in which the site is located or proposed to be located. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html**.

- You must submit a completed *Form OP-CRO1* (Certification by Responsible Official), signed by the Responsible Official or Duly Authorized Representative, that verifies the truth and accuracy of all public notice documentation submitted. You must submit this form to the Office of the Chief Clerk and a copy of this form to the Air Permits Division, within **10 business days** of the end of the public comment period.

- The **original publisher's affidavit, Public Notice Verification Form, Form OP-CRO1,** and an **acceptable proof of publication of the published notice** must be mailed to:

  Texas Commission on Environmental Quality
  Office of the Chief Clerk, MC-105
  Attn: Notice Team
  P.O. Box 13087
  Austin, Texas 78711-3087

- A copy of the **publisher's affidavit, Public Notice Verification Form, and Form OP-CRO1** must be mailed to:

  Texas Commission on Environmental Quality
  Air Permits Division, MC-163
  Attn: Ms. Camilla Widenhofer
  P.O. Box 13087
  Austin, Texas 78711-3087

- Please ensure that the affidavit(s) you send to the Chief Clerk is/are originals and that all blanks on the affidavit are filled in correctly. Photocopies of affidavits will not be accepted by the Chief Clerk.

Failure to Publish, Submit Proof of Publication and Certification of Public Notice

- You must meet all publication requirements. **If you fail to publish the notice, post signs, meet bilingual notice requirements, or submit proof of publication and public notice certification** *on time*, **the TCEQ may suspend further processing of your application or take other actions.**

Application in a Public Place

- You must provide a copy of the complete application, including any subsequent revisions, the statement of basis, and the draft permit, at a public place for review and copying by the public. The draft permit and statement of basis may be accessed at the link noted previously in this document. This place must be in the county in which the site is located or proposed to be located as required by 30 TAC § 122.320(b).

- A public place is one that is publicly owned or operated (ex: libraries, county courthouses, or city halls).

- The complete application must be accessible to the public for review and copying beginning on the first day of newspaper publication and remain in place until the end of the comment period.

- If the application is submitted to the TCEQ with information marked as "CONFIDENTIAL," you are required to indicate which specific portions of the application are not being made available to the public. These portions of the applications must be accompanied with the following statement: "Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to the Texas Commission on Environmental Quality, Public Information Coordinator, MC-197, P.O. Box 13087, Austin, Texas 78711-3087."

General Information

When contacting the Commission regarding this application, please refer to the permit number at the top of the Notice of Draft Federal Operating Permit and Acid Rain Permit.

If you have questions or need assistance regarding this notice, please contact the permit reviewer listed in the cover letter or the Office of the Chief Clerk at (512) 239-3300.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Notice of Draft Federal Operating Permit and Acid Rain Permit

Draft Permit No.: O22

Application and Draft Permit. City of Austin, 721 Barton Springs Rd, Austin, TX 78704-1145, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Federal Operating Permit and Acid Rain Permit (herein referred to as Permit) No. O22, Application No. 29912, to authorize operation of the Decker Creek Power Plant, a Fossil Fuel Electric Power Generation facility. The area addressed by the application is located at 8003 Decker Ln in Austin, Travis County, Texas 78724-3015. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to the application. You can find an electronic map of the facility at: http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=30.303888&lng=-97.613055&zoom=13&type=r. This application was received by the TCEQ on November 15, 2019.

The purpose of a federal operating permit is to improve overall compliance with the rules governing air pollution control by clearly listing all applicable requirements, as defined in Title 30 Texas Administrative Code § 122.10 (30 TAC § 122.10). The draft permit, if approved, will codify the conditions under which the area must operate. The permit will not authorize new construction. The executive director has completed the technical review of the application and has made a preliminary decision to prepare a draft permit for public comment and review. The executive director recommends issuance of this draft permit. The permit application, statement of basis, and draft permit will be available for viewing and copying at the TCEQ Central Office, 12100 Park 35 Circle, Building E, First Floor, Austin, Texas 78753; the TCEQ Austin Regional Office, 12100 Park 35 Circle Bldg A Rm 179, Austin, Texas 78753-1808; and the City's Clerk's Office, 301 W 2nd St, Austin, Texas 78701-3906, beginning the first day of publication of this notice. The draft permit and statement of basis are available at the TCEQ Website:

www.tceq.texas.gov/goto/tvnotice

At the TCEQ central and regional offices, relevant supporting materials for the draft permit, as well as the New Source Review permits which have been incorporated by reference, may be reviewed and copied. Any person with difficulties obtaining these materials due to travel constraints may contact the TCEQ central office file room at (512) 239-2900.

Public Comment/Notice and Comment Hearing. Any person may submit written comments on the draft permit. Comments relating to the accuracy, completeness, and appropriateness of the permit conditions may result in changes to the draft permit.

A person who may be affected by the emission of air pollutants from the permitted area may request a notice and comment hearing. The purpose of the notice and comment hearing is to provide an additional opportunity to submit comments on the draft permit. The permit may be changed based on comments pertaining to whether the permit provides for compliance with 30 TAC Chapter 122 (examples may include that the permit does not contain all applicable requirements or the public notice procedures were not satisfied). The TCEQ may grant a notice and comment hearing on the application if a written hearing request is received within 30 days after publication of the newspaper notice. The hearing request must include the basis for the request, including a description of how the person may be affected by the emission of air pollutants from the application area. The request should also specify the conditions of the draft permit that are inappropriate or specify how the preliminary decision to issue or deny the permit is inappropriate. All reasonably ascertainable issues must be raised and all reasonably available arguments must be submitted by the end of the public comment period. If a notice and comment hearing is granted, all individuals that submitted written comments or a hearing request will receive written notice of the hearing. This notice will identify the date, time, and location for the hearing.

Written public comments and/or requests for a notice and comment hearing should be submitted to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, or electronically at www14.tceq.texas.gov/epic/eComment/

and be received within 30 days after the date of newspaper publication of this notice. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record.

A notice of proposed final action that includes a response to comments and identification of any changes to the draft permit will be mailed to everyone who submitted public comments, a hearing request, or requested to be on the mailing list for this application. This mailing will also provide instructions for public petitions to the U.S. Environmental Protection Agency (EPA) to request that the EPA object to the issuance of the proposed permit. After receiving a petition, the EPA may only object to the issuance of a permit which is not in compliance with the applicable requirements or the requirements of 30 TAC Chapter 122.

Mailing List. In addition to submitting public comments, a person may ask to be placed on a mailing list for this application by sending a request to the Office of the Chief Clerk at the address above. Those on the mailing list will receive copies of future public notices (if any) mailed by the Chief Clerk for this application.

Information. For additional information about this permit application or the permitting process, please contact the Texas Commission on Environmental Quality, Public Education Program, MC-108, P.O. Box 13087, Austin, Texas 78711-3087 or toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained for City of Austin by calling Mr. Ravi Joseph at (512) 322-6284.

Notice Issuance Date: June 22, 2020

Public Notice Example Sign Posting

Sign(s) must be in place on the date of publication of the newspaper notice and must remain in place and be legible throughout the public comment period. Note - The information shown is an **example only**. It is your responsibility to verify that the appropriate information pertaining to **your application** is accurate. Each sign placed at the **area addressed in the FOP application** must be located at or near the site main entrance, provided that the sign is legible from the public street. If the sign would not be legible from the public street, then the sign shall be placed within 10 feet of a property line paralleling a public street.

18" Minimum

APPLICATION FOR FEDERAL OPERATING PERMIT AND ACID RAIN PERMIT

APPLICATION NO.: 29912
DRAFT PERMIT NO.: O22

CITY OF AUSTIN
DECKER CREEK POWER PLANT

FOR FURTHER INFORMATION CONTACT:

PUBLIC EDUCATION PROGRAM
1-800-687-4040

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

AUSTIN REGIONAL OFFICE
12100 PARK 35 CIRCLE BLDG A RM 179
AUSTIN, TEXAS 78753-1808

(512) 339-2929

28" Minimum

Sign(s) must be placed at whatever height above the ground is necessary for sign(s) to be 100% visible from the street.

WHITE BACKGROUND WITH BLACK LETTERS

All lettering must be no less than 1-1/2 inch block printed capitals.

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: City of Austin
Permit No.: O22
Notice of Draft Federal Operating Permit

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is *(Name of Person Representing Newspaper)*

the _____of the _____
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in_____, Texas;
*(The **municipality or nearest municipality** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):

_____

_____
(newspaper representative's signature)

Subscribed and sworn to before me this the _____ day of _____, 20_____
to certify which witness my hand and seal of office.

_____
Notary Public in and for the State of Texas

[Seal]

_____
Print or Type Name of Notary Public

_____
My Commission Expires

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: City of Austin
Permit No.: O22
Notice of Draft Federal Operating Permit

ALTERNATIVE LANGUAGE AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is (*Name of Person Representing Newspaper)*

the _____ of the _____;
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in _____, Texas;
*(The **municipality or county** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):

_____

_____
(Newspaper Representative's Signature)

Subscribed and sworn to before me this the _____ day of _____, 20_____
to certify which witness my hand and seal of office.

_____
Notary Public in and for the State of Texas

[Seal]

_____
Print or Type Name of Notary Public

_____
My Commission Expires