

From: Hernandez, Analyssa <analyssa.hernandez@wsp.com>
Sent: Wednesday, August 6, 2025 8:26 AM
To: Carolyn Maus
Cc: larry.moon@powereng.com; R6AirPermitsTX; Amy Wolf
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: OP-PBRSUP 2025-07-29.pdf; OP-REQ1 pg 89 2025-07-29.pdf

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Good morning Carolyn,

We have submitted a revised OP-CRO1 and OP-REQ1 page 89 to include an additional PBR. Please see attached for the revised form that have also been certified via STEERS.

Thank you,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Wednesday, July 30, 2025 2:58 PM
To: Hernandez, Analyssa <analyssa.hernandez@wsp.com>; Amy Wolf <Amy.Wolf@calpine.com>
Cc: larry.moon@powereng.com
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Great – I'm glad Carolyn Thomas was able to verify that everything had been updated as needed. I was not sure exactly what steps they would need to take for the NSR side so that is why we needed her to confirm once everything was complete. The new company name was not in our NSR database before, but I can see it there now.

I do not need anything else from you about this. I will send your file through our management review and let me know if any other corrections arise from that.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	PIN OAK CREEK ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1376 FM 488
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Pin Oak Creek Energy Center, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EH&S
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MS
First	Amy
Middle	
Last	Wolf
Suffix	
Credentials	
Title	Project Manager III
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	5164258019
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	amy.wolf@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 26 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 43 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4649-36697
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

Attach OP-1 (Site Information Summary)	
Attach OP-ACPS (Application Compliance Plan and Schedule)	
Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)	
[File Properties]	
File Name	OP-REQ1 pg 89 2025-07-29.pdf
Hash	FF1446A68167C4FC3B29FBD734F2B48C7A66D9E8259AE16591A26F08BB5ADCBA
MIME-Type	application/pdf
Attach OP-REQ2 (Negative Applicable Requirement Determinations)	
Attach OP-REQ3 (Applicable Requirements Summary)	
Attach OP-PBRSUP (Permits by Rule Supplemental Table)	
[File Properties]	
File Name	OP-PBRSUP 2025-07-29.pdf

Hash	B47FB51AE8A6D9B7FB82914D8ADC63295A27C8793594A592BD3C05908E33574B
MIME-Type	application/pdf

Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

An additional space to attach any other necessary information needed to complete the permit.

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-08-05
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	5C663A9EE6439959BA86B87E12AC845C86532647DA2BBD75F10A67C3D3DB7E80

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-08-05
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	5C663A9EE6439959BA86B87E12AC845C86532647DA2BBD75F10A67C3D3DB7E80

Submission

Reference Number:	The application reference number is 804310
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2025-08-05 at 15:21:57 CDT
Submitted From:	The application was submitted from IP address 12.76.14.190
Confirmation Number:	The confirmation number is 669297
Steers Version:	The STEERS version is 6.92

Additional Information

Application Creator: This account was created by Analyssa E Hernandez

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
07/29/2025	O4649	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

- ◆ For GOP applications, answer ONLY these questions unless otherwise directed.

XII. NSR Authorizations (continued) - (Attach additional sheets if necessary for sections XII.E-J.)

- ◆ **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.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
173582	06/12/2024				

- ◆ **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.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
106.227	09/04/2000				
106.263	11/01/2001				
106.265	09/04/2000				
106.355	11/01/2001				
106.433	09/04/2000				
106.452	09/04/2000				
106.472	09/04/2000				
106.532	09/04/2000				

- ◆ **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 By Rule Supplemental Table (Page 2)
Table B: Claimed (Not Registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
07/29/2025	O4649	RN111788618

Unit ID No.	PBR No.	Version No./Date
WELD	106.227	09/04/2000
MAINT	106.263	11/01/2001
HHELD	106.265	09/04/2000
PURGE	106.355	11/01/2001
LOAD	106.472	09/04/2000
WWASTE	106.532	09/04/2000

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for Registered and Claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
07/29/2025	O4649	RN111788618

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
WELD	106.227	09/04/2000	Keep records of brazing, soldering, or welding equipment with less than 0.6 ton per year or more of lead emitted.
MAINT	106.263	11/01/2001	Maintain records for all maintenance, start-up, or shutdown activities and temporary maintenance facilities so that there is sufficient information to determine compliance with this section including (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a
HHELD	106.265	09/04/2000	There are no ongoing requirements in PBR 106.265 to monitor.
PURGE	106.355	11/01/2001	Maintain records for all maintenance and purging emissions including: (A) the type and reason for the activity; (B) the processes and equipment involved; (C) the date, time, and duration of the activity; and (D) the air contaminants and amounts which are emitted as a result of the activity
COAT	106.433	09/04/2000	Maintain records of safety data sheets, data of daily coatings, solvent use, and the actual hours of operation of each coating or stripping operation, a monthly report that represents actual hours of operation and emission from each operation, and examples of the method of data reduction.
ABRAS	106.452	09/04/2000	Maintain records of daily, monthly, and annual abrasive usage rate and abrasive cleaning operating hours.
LOAD	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
WWASTE	106.532	09/04/2000	Maintain records, including test results, standard reference materials, calculations, and/or other information, which document that the unit performs only the functions listed in the PBR.

From: Carolyn Maus
Sent: Wednesday, July 30, 2025 2:58 PM
To: Hernandez, Analyssa; Amy Wolf
Cc: larry.moon@powereng.com
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Great – I'm glad Carolyn Thomas was able to verify that everything had been updated as needed. I was not sure exactly what steps they would need to take for the NSR side so that is why we needed her to confirm once everything was complete. The new company name was not in our NSR database before, but I can see it there now.

I do not need anything else from you about this. I will send your file through our management review and let me know if any other corrections arise from that.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: Hernandez, Analyssa <analyssa.hernandez@wsp.com>
Sent: Wednesday, July 30, 2025 2:50 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>; Amy Wolf <Amy.Wolf@calpine.com>
Cc: larry.moon@powereng.com
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Hi Carolyn,

I spoke with Carolyn Thomas about the NSR company name change. She informed me that the name change has already been completed, and there are no additional actions needed from the NSR group to complete the company name change. She also mentioned that although a company name change was completed, they do not update the NSR Permit documents unless an amendment or renewal is done.

We are submitting the Core Data form to Central Registry to complete the site name and address change.

Is there anything else you need from us on this item?

Thanks,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Thomas
Sent: Monday, July 28, 2025 8:01 AM
To: Amy Wolf
Cc: APIRT; Carolyn Maus
Subject: FW: STEERS Error - Change of Name/Ownership [STEERS 803045]

Good morning, Amy,

Please follow the instructions below.

Please let me know if you have any questions.

As of January 1, 2021, The TCEQ Air Permits Division requires applications available in STEERS ePermits to be submitted via [ePermits](#).

You are receiving this email because the TCEQ has received an electronic or hard copy application that is required to be submitted through [ePermits](#). Your electronic or hard copy application for **XXXXXX** will not be accepted. In order for your application to be accepted and processed you will need to resubmit the application using ePermits. [Guidance for STEERS \(State of Texas Environmental Electronic Reporting System\)](#).

Please let me know If you have any questions or concerns regarding the above information.

1. Navigate to "Air New Source Review"
2. Check "FILL OUT" button
3. Under "Air New Source Review (NSR) Administrative Action(s)"
 - a. Check "Air New Source Review (NSR) Change of Ownership"
 - b. Click NEXT button
4. Enter the RN and click NEXT- **(Old RN)Add RN To Number**
5. Click "Confirm RN Information" at the bottom
6. Confirm authorization list and click "NEXT" button
7. Confirm rights and click "NEXT" at the bottom
8. Enter CN/ Search/ or create one and click "NEXT"**(New CN) If customer get CN error "CN already affiliated send COO to APIRT**
9. Enter Roll, Certify, enter Responsible Person (name, title, address, phone) click "Next/Save"
10. Copy or Enter Responsible Official information click "Next/Save"
11. Enter the effective date of the change in ownership click "Next/Save"
12. Sign
13. Submit

From: APIRT <apirt@tceq.texas.gov>
Sent: Wednesday, July 23, 2025 11:57 AM

To: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Subject: FW: STEERS Error - Change of Name/Ownership [STEERS 803045]

Carolyn,
Please assist.
-Nancy

From: Hernandez, Analyssa <analyssa.hernandez@wsp.com>
Sent: Wednesday, July 23, 2025 11:46 AM
To: APIRT <apirt@tceq.texas.gov>
Subject: STEERS Error - Change of Name/Ownership

Hello,

I am emailing in response to a request to submit a company name/ownership change for NSR permits (request below).

The NSR program requested that the change of name/ownership form be submitted in STEERS to complete the company name and site name change as it has been done for the FOP. However, the STEERS application does not allow me past the Customer (Application) Information and displays the following error:

Create

Print

Sign

Submit

The customer(CN606169704) is already associated to one or more authorizations that are part of this application. Please search for new customer.

Reference Number: 803045

Site Information (Regulated Entity)Done

Section 1# Authorization InformationDone

Customer (Applicant) InformationTo Do

Responsible Official ContactTo Do

APD NSR Change of Ownership General InformationTo Do

Customer (Applicant) Information

Complete one of the following options

Option 1: Choose a customer that is already doing business at this site

Customer Number

Full Name

☐

CN606169704

PIN OAK CREEK ENERGY CENTER LLC

Option 2: If the customer (applicant) is already a TCEQ customer then enter the CN

What is the applicant's Customer Number(CN)? :

Option 3: Enter a known authorization number already issued to the same customer (Applicant)

Authorization from Same Company :

Option 4: Enter the customer's (applicant's) information to see if the applicant is already a

Can you share the appropriate course of action to complete changing the company name to Pin Oak Creek Energy Center, LLC and the site name to Pin Oak Creek Energy Center for the following permit numbers :173582, PSDTX126, GHGPSDTX233, 180377?

Company Name: Pin Oak Creek Energy Center LLC (previously FPEC LLC)
CN: CN606169704
RN: RN111788618
Permit Numbers: 173582, PSDTX126, GHGPSDTX233, 180377
Site Name: Pin Oak Creek Energy Center (previously FPEC)
SOS filing number: 0805170005

Thank you for your assistance,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Wednesday, July 23, 2025 10:06 AM
To: Amy Wolf <Amy.Wolf@calpine.com>
Cc: larry.moon@powereng.com; Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Subject: [EXTERNAL] RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

<p>CAUTION: This Email is from an EXTERNAL source. STOP. THINK before you CLICK links or OPEN attachments.</p>

Hi Amy,

Apologies for the delay – we have completed all the company name/ownership changes (from FPEC, LLC to Pin Oak Creek Energy Center, LLC) for the Title V permit. I have also completed all my project documents so they are ready for my management to review. The one item that has not been completed yet is the company name/ownership change for the NSR permits. Since Analyssa had mentioned having problems with certifying in STEERS, I had send that NSR request to our admin team to see if they could process outside of STEERS.

From: Carolyn Maus
Sent: Wednesday, July 23, 2025 10:06 AM
To: Amy Wolf
Cc: larry.moon@powereng.com; Hernandez, Analyssa
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Amy,

Apologies for the delay – we have completed all the company name/ownership changes (from FPEC, LLC to Pin Oak Creek Energy Center, LLC) for the Title V permit. I have also completed all my project documents so they are ready for my management to review. The one item that has not been completed yet is the company name/ownership change for the NSR permits. Since Analyssa had mentioned having problems with certifying in STEERS, I had send that NSR request to our admin team to see if they could process outside of STEERS.

I heard back from the admin team and they requested that the company name/ownership change for the NSR permits be submitted in STEERS. Then, if there is still a problem using STEERS, they requested that you please screenshot the error message and email that to apirt@tceq.texas.gov, along with the company name, CN, RN, Permit Numbers, SOS filing number, and federal tax ID. That way they can help figure out the issue.

Therefore, please try to submit the change of name/ownership for the NSR permits via STEERS by **July 30, 2025**. This is changing the company name to Pin Oak Creek Energy Center, LLC and the site name to Pin Oak Creek Energy Center. These permit numbers are 173582, PSDTX126, and GHGPSDTX233. If you have any questions, please let me know.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: Amy Wolf <Amy.Wolf@calpine.com>
Sent: Wednesday, July 16, 2025 2:16 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

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Hi Carolyn,

Just following up if there has been any movement. Thank you and hope you are enjoying your summer.

AMY WOLF, CSP, PMP
Project Manager III
CALPINE CORPORATION
Direct: (516) 425-8019
Email: amy.wolf@calpine.com



From: Amy Wolf
Sent: Tuesday, July 8, 2025 9:38 AM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Good morning, Carolyn,

Checking in on the status of the Title V. I believe we are waiting on the public notice package.

Thanks so much for the update,

AMY WOLF, CSP, PMP
Project Manager III
CALPINE CORPORATION
Direct: (516) 425-8019
Email: amy.wolf@calpine.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Friday, June 6, 2025 10:27 PM
To: Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Cc: larry.moon@powereng.com; Amy Wolf <Amy.Wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Thanks for the forms! I will get these updates completed and will let you know if there are any issues that arise during management review of the public notice package. We should be able to send out that public notice package in the next few weeks.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1300



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

From: Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Sent: Friday, June 6, 2025 10:29 AM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Amy Wolf <Amy.Wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

From: Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Sent: Friday, June 6, 2025 10:29 AM
To: Carolyn Maus
Cc: larry.moon@powereng.com; Amy Wolf
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: Change of Name 2025-06-05.pdf; OP-1 2025-06-05.pdf; OP-CRO1 2025-06-05.pdf; certificate_of_representation_Pin Oak June 2025.pdf

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Hi Carolyn,

See attached for the requested documents. Due to STEERS complications, we are unable to certify via STEERS and have provided a scanned copy of the signed OP-CRO1. The original OP-CRO1 with wet signature is being sent to the address provided in your signature and will arrive after the date signed.

Please let us know if you have any questions.

Best,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Friday, May 30, 2025 5:03 PM
To: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com
Subject: [EXTERNAL] RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

CAUTION: This Email is from an **EXTERNAL** source. **STOP. THINK** before you **CLICK** links or **OPEN** attachments.

Hi Amy,

Good timing on your email. The project will be going through our reviews in the next week. I did find some things I will need in relation to the company name change to Pin Oak Creek Energy Center, LLC and the site/area name change to Pin Oak Creek Energy Center. (I did see that Central Registry

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, renewal, and reopening permit application 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: RN111788618
CN: CN606169704
Account No.: FIA003C
Permit No.: O4649
Project No.: 36697
Area Name: Pin Oak Creek Energy Center
Company Name: Pin Oak Creek Energy Center, LLC
II. Certification Type <i>(Please mark appropriate box)</i>
<input checked="" type="checkbox"/> Responsible Official Representative <input type="checkbox"/> Duly Authorized Representative
III. Submittal Type <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
<input type="checkbox"/> SOP/TOP Initial Permit Application <input type="checkbox"/> Permit Revision, Renewal, or Reopening
<input type="checkbox"/> GOP Initial Permit Application <input checked="" type="checkbox"/> Update to Permit Application
<input type="checkbox"/> Other: _____

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, and renewal permit application 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.

IV. Certification of Truth			
This certification does not extend to information which is designated by TCEQ as information for reference only.			
I, <u>Robert Dewitt</u> certify that I am the <u>RO</u> <div style="display: flex; justify-content: space-between; font-size: small;">(Certifier Name printed or typed)(RO or DAR)</div>			
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: <i>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).</i>			
Time Period: From _____ to _____ <div style="display: flex; justify-content: space-between; font-size: small;">(Start Date)(End Date)</div>			
Specific Dates: <u>06/06/2025</u> _____ <div style="display: flex; justify-content: space-around; font-size: small;">(Date 1)(Date 2)(Date 3)(Date 4)</div>			
_____ <div style="display: flex; justify-content: space-around; font-size: small;">(Date 5)(Date 6)</div>			
Signature: <u>Robert D. Dewitt</u>		Signature Date: <u>6/6/2025</u>	
Title: <u>Plant Manager</u>			

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, and renewal permit application 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: RN111788618
CN: CN606169704
Account No.: FIA003C
Permit No.: O4649
Project No.: 36697
Area Name: Pin Oak Creek Energy Center
Company Name: Pin Oak Creek Energy Center, LLC
II. Certification Type <i>(Please mark appropriate box)</i>
<input checked="" type="checkbox"/> Designated Representative <input type="checkbox"/> Alternated Designated Representative
III. Requirement and Submittal Type <i>(Please mark the appropriate boxes for each row)</i>
Requirement: <input checked="" type="checkbox"/> Acid Rain Permit <input checked="" type="checkbox"/> CSAPR
Submittal Type: <input type="checkbox"/> Initial Permit Application <input checked="" type="checkbox"/> Update to Permit Application
<input type="checkbox"/> Permit Revision or Renewal <input type="checkbox"/> Other:

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

IV. Certification of Truth

I, Robert Dewitt certify that I am the DR
(Certifier Name printed or typed) (RO or DAR)

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: 06/06/2025 _____
(Date 1) (Date 2) (Date 3) (Date 4)

(Date 5) (Date 6)

Signature: Robert Q. Dewitt Signature Date: 6/6/2025

Title: Plant Manager

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

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or 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: Pin Oak Creek Energy Center LLC
B. Customer Reference Number (CN): CN606169704
C. Submittal Date (mm/dd/yyyy): 06/06/2025
II. Site Information
A. Site Name: Pin Oak Creek Energy Center
B. Regulated Entity Reference Number (RN): RN111788618
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/> AR <input type="checkbox"/> CO <input type="checkbox"/> KS <input type="checkbox"/> LA <input type="checkbox"/> NM <input type="checkbox"/> OK <input checked="" type="checkbox"/> N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO _x <input type="checkbox"/> SO ₂ <input checked="" type="checkbox"/> PM ₁₀ <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/> Site Operating Permit (SOP) <input type="checkbox"/> Temporary Operating Permit (TOP) <input type="checkbox"/> General Operating Permit (GOP)

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

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>
A. Is this submittal an abbreviated or a full application? <input type="checkbox"/> Abbreviated <input checked="" type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? <input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Has the required Public Involvement Plan been included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
RO Full Name: Robert Dewitt
RO Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389-1447
Fax No.:
Email: Robert.Dewitt@calpine.com

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Amy Wolf
Technical Contact Title: Project Manager III
Employer Name: Calpine Corporation
Mailing Address: 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (516) 425-8019
Fax No.:
Email: amy.wolf@calpine.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Charles Schwertner, Texas Senate District 5
B. State Representative: Angelia Orr, Texas House District 13
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

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

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Pin Oak Creek Energy Center
B. Physical Address: 1376 FM488
City: Fairfield
State: TX
ZIP Code: 75840
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (continued)
G. Latitude (nearest second): 31:53:37
H. Longitude (nearest second): 96:06:41
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? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
J. Indicate the estimated number of emission units in the application area: 8
K. Are there any emission units in the application area subject to the Acid Rain Program? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
XI. Public Notice (Complete this section for SOP Applications and Acid Rain Permit Applications only.)
A. Name of a public place to view application and draft permit: Fairfield Library Association Inc.
B. Physical Address: 350 W. Main St.
City: Fairfield
ZIP Code: 75840
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Brett Kerr
Contact Mailing Address: Calpine Corporation, 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 830-8809

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality**

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
DR Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name: Robert Dewitt
DR Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389 - 1447
Fax No.:
Email: Robert.Dewitt@calpine.com

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality**

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.

XIV. Alternate Designated Representative (ADR) Identifying Information

ADR Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)

ADR Full Name: Jaron Bergin

ADR Title: Director, Regional EH&S

Employer Name: Calpine Corporation

Mailing Address: 717 Texas Ave, Suite 1000

City: Houston

State: TX

ZIP Code: 77002

Territory:

Country: USA

Foreign Postal Code:

Internal Mail Code:

Telephone No.: (713) 332-5164

Fax No.:

Email: Jaron.Bergin@calpine.com

Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality

I. Application Type
<input type="checkbox"/> Change in Ownership <input checked="" type="checkbox"/> Change in Company Name
II. Name of the New Owner or Operator of the Facilities or Equipment (Legal Entity Name of the new permittee)
A. Customer Name: Pin Oak Creek Energy Center LLC
B. Customer Reference Number (CN) <i>(if issued)</i> : CN606169704
C. Submittal Date: 06/05/2025
D. Effective Date of Change: 1/21/2025
E. Is the new owner an affiliate of the previous owner? <input type="checkbox"/> YES <input type="checkbox"/> NO
III. Responsible Official (RO) Contact Information
Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Full Name: Robert Dewitt
Title: Plant Manager
Company Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
Zip Code: 77002
Telephone No.: (903) 389-1447
Fax No.:
Email Address: Robert.Dewitt@calpine.com

**Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality**

IV. Technical Contact Information
Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Full Name: Amy Wolf
Title: Project Manager III
Company Name: Calpine Corporation
Mailing Address: 717 Texas St, Suite 1000
City: Houston
State: TX
Zip Code: 77002
Telephone No.: (516) 425-8019
Fax No.:
Email Address: amy.wolf@calpine.com
V. Site Information
A. Site Name: Pin Oak Creek Energy Center
B. Regulated Entity Number (RN) (<i>if issued</i>): RN111788618
C. Account Number (<i>if issued</i>): FIA003C
D. If action is transfer of ownership, is the change for the entire site <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
E. If action is transfer of ownership for a portion of the existing site, will the new site be a major source? <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
F. To the right of each pollutant below select "YES" for which the site is classified as a major source based on the site's potential to emit. Select "NO" for which the site is not a major source.
Pollutant: VOC <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Pollutant: NO _x <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Pollutant: SO ₂ <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Pollutant: PM ₁₀ <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Pollutant: CO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Pollutant: PB <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Pollutant: HAPS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Other Pollutant: No

**Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality**

VI. Air Authorizations That Are Affected By This Action
A. List all NSR authorizations (including PBR, SE, and standard permit registrations, and NSR permits), as applicable:
173582, 180377
B. List all FOPs (including SOPs and ATOs under GOPs), as applicable:
4649
VII. NSR Conditions for Change of Ownership under 30 TAC § 116.110(e)
<ul style="list-style-type: none">• The new owner agrees to be bound by all the permit conditions and all representations made in the permit and any amendments and alterations.• The new owner asserts there will be no change in the type of pollutants emitted.• The new owner asserts there will be no increase in the quantity emitted.

**Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality**

VIII. FOP Conditions for Change of Ownership

- For SOP holders:
Pursuant to 30 TAC § 122.210 and § 122.211, the permit holder (new owner) is required to submit a permit revision application for a change to the permit identification of ownership or operational control of a site. The change must be facilitated by a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the old and new permit holder. This written agreement is maintained with the permit.
- For GOP holders:
Pursuant to 30 TAC § 122.503, the permit holder (new owner) is required to submit (before the change is operated) an application for a new authorization to operate for a change to the permit identification of ownership or operational control of a site. The change must be facilitated by a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the old and new permit holder. This written agreement is maintained with the permit.

- A.** Are any other changes needed for the FOP? ☐ YES ☒ NO
(If YES, submit the information as explained in the instructions.)
- B.** Is there an Acid Rain permit or Cross-State Air Pollution Rule (CSAPR) requirements included in the SOP? ☒ YES ☐ NO
(If YES, submit the information as explained in the instructions.)

IX. Authorization

I, Robert Dewitt

certify that I am the responsible official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

Signature: 

Signature Date: 6/6/2025

Title: Plant Manager



Certificate of Representation

See instructions and 40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, and 97.916, 97.1016, or a comparable state regulation, as applicable. Note that the designated representative identified on this form is also the certifying official responsible for making related submissions for the identified unit(s), under additional programs, as indicated in the instructions.

This submission is: ☐ New

☒ Revised (revised submissions must be complete; see instructions)

STEP 1
Provide
information
for the plant

Pin Oak Creek Energy Center		TX	67500
Freestone County			
31:53:37	96:06:41		

STEP 2
Enter
requested
information
for the
designated
representative

Robert Dewitt		Plant Manager	
Calpine Corporation			
717 Texas St. Suite 1000	Houston	TX	77002
(903)389-1447			
Robert.Dewitt@calpine.com			

STEP 3
Enter
requested
information
for the
alternate
designated
representative

Jaron Bergin		Director, Regional EH&S	
Calpine Corporation			
717 Texas Ave Suite 1000	Houston	TX	77002
(713) 332-5164			
Jaron.Bergin@calpine.com			

UNIT INFORMATION

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 **Additional Program(s):** ☒ GHG NSPS
☐ CSAPR NO_x Ozone Season Group 1 ☐ CSAPR SO₂ Group 2 ☐ MATS
☒ CSAPR NO_x Ozone Season Group 2 ☐ Texas SO₂ ☐ NO_x SIP Call
☐ CSAPR NO_x Ozone Season Group 3

Unit ID# CTG-5	Unit Type CT	Source Category Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112	CTG-5	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): March 2026		Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Is this unit located in Indian country? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Company Name: Pin Oak Creek Energy Center, LLC				<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

UNIT INFORMATION


STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 **Additional Program(s):** ☒ GHG NSPS
☐ CSAPR NO_x Ozone Season Group 1 ☐ CSAPR SO₂ Group 2 ☐ MATS
☒ CSAPR NO_x Ozone Season Group 2 ☐ Texas SO₂ ☐ NO_x SIP Call
☐ CSAPR NO_x Ozone Season Group 3

Unit ID# CTG-6	Unit Type CT	Source Category Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112	CTG-6	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): March 2026		Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Is this unit located in Indian country? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Company Name: Pin Oak Creek Energy Center, LLC				<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

General

I 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 and information 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.

 Signature (Designated Representative)	6/4/2025 Date
Jaron Bergin <small>Digitally signed by Jaron Bergin email=jaron.bergin@calpine.com, c=US DN: cn=Jaron Bergin, o=EHS, ou=EHS, Date: 2025.06.04 14:28:42 -05'00'</small> Signature (Alternate Designated Representative)	 Date



Instructions for the Certificate of Representation

NOTE: The Certificate of Representation information can be submitted online through the CAMD Business System (CBS), which can be accessed at <https://camd.epa.gov/CBS/login/auth>. See the Certificate of Representation section of the Help File in CBS for assistance. If you have questions about CBS, send an email to cbs-support@camdsupport.com.

You must have a username and password to access CBS. You can obtain a username and password if:

(1) you are currently listed in the CAMD database as a designated representative or an agent for a designated representative, **AND** (2) CAMD has received and processed a hard copy of the Electronic Signature Agreement at found on the [Business Center Forms](#) page. Once a person's Electronic Signature Agreement is processed, they will receive instructions to obtain a username and password.

Please type or print. Submit a separate page 2 for each unit at the plant (source) subject to the Acid Rain Program (ARP), a Cross-State Air Pollution Rule (CSAPR) trading program, or the Texas SO₂ Trading Program (TXSO₂). Include units for which a Retired Unit Exemption notice has been submitted. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the upper right-hand corner of page 2. **A Certificate of Representation amending an earlier submission supersedes the earlier submission in its entirety and must therefore always be complete.** Submit one Certificate of Representation form with original signature(s). NO FIELDS SHOULD BE LEFT BLANK.

Note that because all emissions and monitoring plan data submitted (or resubmitted) through to EPA's Emissions Collection and Monitoring Plan System (ECMPS) for a unit for a given time period must be contained in one internally consistent datafile, the designated representative identified on this form is also the certifying official responsible for making submissions concerning the identified unit(s) where required by additional programs, including the Greenhouse Gas New Source Performance Standards program under 40 CFR part 60, subpart TTTT (NSPS4T), the Mercury and Air Toxics Standards program under 40 CFR part 63, subpart UUUUU (MATS), and state programs implementing the NO_x SIP Call under 40 CFR 51.121 (SIPNOX).

STEP 1

- (i) A plant code is a number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to plants that generate electricity. For older plants, "plant code" is synonymous with "ORISPL" and "facility" codes. If the plant generates electricity but no plant code has been assigned, or if there is uncertainty regarding what the plant code is, send an email to the EIA at EIA-860@eia.gov. For plants that do not produce electricity, use the plant identifier assigned by EPA (beginning with "88").
- (ii) Enter the latitude and longitude representing the location of the plant. Note that coordinates **MUST** be submitted in decimal degree format; in this format minutes and seconds are represented as a decimal fraction of one degree. Therefore, coordinates containing degrees, minutes, and seconds must first be converted using the formula:

$$\text{decimal degrees} = \text{degrees} + (\text{minutes} / 60) + (\text{seconds} / 3600)$$

Example: 39 degrees, 15 minutes, 25 seconds = $39 + (15 / 60) + (25 / 3600) = 39.2569$ degrees

STEPS 2 & 3

The designated representative and the alternate designated representative must be individuals (i.e., natural persons). Enter the associated company name and address of the representative as it should appear on all correspondence. Most correspondence will be emailed. **Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.**

There may be only one designated representative and one alternate designated representative for a plant.

STEP 4

- (i) Complete one page for each unit subject to the ARP, CSAPR, or TXSO₂ programs, and indicate the program(s) that the unit is subject to. Also indicate if the unit is subject to the MATS, NSPS4T, and/or SIPNOX programs. Identify each unit at the plant by providing the appropriate unit identification

number, consistent with the identifiers used in previously submitted Certificates of Representation (if applicable) and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each submission to EPA that includes the unit identification number(s) (e.g., monitoring plans and quarterly reports) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation. Do not identify units that are not subject to the above-listed programs but are part of a common monitoring configuration with a unit that is subject to any of these programs. To identify units in a common monitoring configuration that are not subject to any of these programs, call the CAMD Hotline at (202) 343-9620, and leave a message under the "Continuous Emissions Monitoring" submenu.

- (ii) Identify the type of unit using one of the following abbreviations:

<u>Boilers</u>		<u>Boilers</u>		<u>Turbines</u>	
AF	Arch-fired boiler	OB	Other boiler	CC	Combined cycle combustion turbine
BFB	Bubbling fluidized bed boiler	PFB	Pressurized fluidized bed boiler	CT	Simple cycle combustion turbine
C	Cyclone boiler	S	Stoker boiler	IGC	Integrated gasification combined cycle
CB	Cell burner boiler	T	Tangentially-fired boiler	<u>Other</u>	
CFB	Circulating fluidized bed boiler	WBF	Wet bottom wall-fired boiler		
DB	Dry bottom wall-fired boiler	WBT	Wet bottom turbo-fired boiler		ICE Internal combustion engine
DTF	Dry bottom turbo-fired boiler	WVF	Wet bottom vertically-fired boiler		KLN Cement kiln
DVF	Dry bottom vertically-fired boiler			PRH	Process heater

- (iii) Indicate the source category description that most accurately describes the purpose for which the unit is operated by entering one of the following terms.

- Electricity generation
- Useful thermal energy production (i.e., production of process heat and/or steam for uses other than electricity production)
- Cogeneration (i.e., both electricity generation and useful thermal energy production through the sequential use of energy)

- (iv) Provide the primary North American Industrial Classification System (NAICS) code that most accurately describes the business type for which the unit is operated. If unknown, go to <https://www.census.gov/eos/www/naics> for guidance on how to determine the proper NAICS code for the unit.

- (v) Enter the date the unit began (or will begin) serving any generator producing electricity for sale, including test generation. Enter this date and check the "actual" box for any unit that has begun to serve a generator producing electricity for sale as of the date of submission of this form. (This information should be provided even if the unit does not currently serve a generator producing electricity for sale.) For any unit that will begin, but has not begun as of the date of submission of this form, to serve a generator producing electricity for sale, estimate the future date on which the unit will begin to produce electricity for sale and check the "projected" box. When the actual date is established, revise the form accordingly by entering the actual date and checking the "actual" box. Enter "NA" if the unit has not ever served, is not currently serving, and is not projected to serve, a generator that produces electricity for sale.
- (vi) For a unit that, as of the date of submission of this form, serves one or more generators (whether or not the generator produces electricity for sale), enter the generator ID number(s) and the nameplate capacity (in MWe, rounded to the nearest tenth) of each generator served by the unit. A unit serves a generator if the unit produces, or is able to produce, steam, gas, or other heated medium for generating electricity at that generator. For combined cycle units, report separately the nameplate capacities of the generators associated with the combustion turbine and the steam turbine. Please ensure that the generator ID numbers entered are consistent with those reported to the EIA.

A nameplate capacity should be entered in the "Acid Rain" column for each generator served by a unit subject to the ARP, and a nameplate capacity should be entered in the "CSAPR / Texas SO₂ / Other" column for each generator served by a unit subject to any of the other programs indicated on the form (including units that are also subject to the ARP). The nameplate capacity entered in the "Acid Rain" column where a unit is listed in the National Allowance Database (NADB) should be the nameplate capacity as shown in the NADB. The nameplate capacity entered in the "Acid Rain" column where a unit is not listed in the NADB, and the nameplate capacity entered in the "CSAPR / Texas SO₂ / Other" column where a unit is subject to any programs other than the ARP, generally should be the higher of (i) the nameplate capacity as of the generator's initial installation or (ii) the nameplate capacity following physical changes that result in an increase in the maximum electrical generating output that the generator can produce on a steady-state basis when not restricted by seasonal or other deratings. To the extent consistent with the preceding sentences, use the nameplate capacity reported to EIA for each generator on Form EIA-860. Enter "NA" if, as of the date of submission of this form, the unit does not serve a generator.

For the full definitions of "nameplate capacity", see 40 CFR 72.2, 97.402, 97.502, 97.602, 97.702, 97.802, 97.902, and 97.1002 as applicable. The NADB is available at <https://www.epa.gov/airmarkets/clean-air-markets-allowance-markets#Allocated>.

Enter the company name of each owner and operator in the "Company Name" field. Indicate whether the company is the owner, operator, or both. For new units, if the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form when the operator has been selected within 30 days of the effective date of the selection. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change. You are strongly encouraged to use the CAMD Business System to provide updated information on owners and operators. See the Certificate of Representation section of the Help File found at the top right of any screen in CBS, including the homepage, for assistance.

- (vii) Indicate whether or not the unit is located in Indian country. "Indian country" generally includes all lands within any federal Indian reservation, all dependent Indian communities, and all Indian allotments for which the Indian titles have not been extinguished. For the full definition of "Indian country", see 18 U.S.C. § 1151.
- (viii) When identifying a unit at a plant for the first time, indicate whether or not the unit ever operated at another location. If the answer is "yes", EPA will contact the owners/operator for more information.

STEP 5

Read the applicable certification statements, sign, and date.

Mail the completed, signed form to one of the following addresses (**note the different zip codes**):

Regular or Certified mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
Mail Code 6204A
Washington, DC **20460**

Overnight mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
WJC South, 4th Floor, Room # 4153C
Washington, DC **20004**
(202) 564-8717

Submit this form prior to making any other submissions under the ARP, CSAPR, or TXSO₂ programs. Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. You are strongly encouraged to use the CAMD Business System to provide updated information. See the Certificate of Representation section of the Help File in CBS for assistance.

Paperwork Burden Estimate

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control Nos. 2060-0258 and 2060-0667). Responses to this collection of information are mandatory (40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, 97.916 and 97.1016). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 15 hours per response annually. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

From: Carolyn Maus
Sent: Friday, May 30, 2025 5:03 PM
To: Amy Wolf; analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Amy,

Good timing on your email. The project will be going through our reviews in the next week. I did find some things I will need in relation to the company name change to Pin Oak Creek Energy Center, LLC and the site/area name change to Pin Oak Creek Energy Center. (I did see that Central Registry had updated their end from the Core Data form but there are a few extra things we need on the permitting end.)

- 1) Change of Name/Ownership Form
- 2) Updated pages of Form OP-1 with the new site/area name.
- 3) Per the Change of Name/Ownership Form, since this permit includes an Acid Rain Permit, we also need an updated EPA Certification of Representation to reflect the new name.

Please note that the company name also needs to be updated for the NSR permits, so there is a place on the Change of Name/Ownership Form to list those permit numbers as well. (Or, you can also apply separately directly in STEERS to change the name for those NSR permits.)

You can submit the forms in STEERS to certify. Or, if you choose to submit the forms via email, then I will need an OP-CRO1. You may email me a scan but please follow up with the wet ink original in the mail. Whether you choose STEERS or the OP-CRO1 form, this submittal will need to be certified by both the RO (or DAR) and DR (or ADR). In STEERS, this means two signatures are needed in that section of the submittal process. On the form, this means both pages need to be filled out.

Please submit the requested items by **Monday, June 9, 2025**.

Feel free to contact me with any questions.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: Amy Wolf <Amy.Wolf@calpine.com>
Sent: Thursday, May 29, 2025 11:47 AM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>; analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Hi Carolyn,

Hope you are doing well. Just checking in on timing of the internal QA and management review. I will continue to look out for the public notice package.

AMY WOLF, CSP, PMP
Project Manager III
CALPINE CORPORATION
Direct: (516) 425-8019
Email: amy.wolf@calpine.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Tuesday, May 6, 2025 4:01 PM
To: analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com; Amy Wolf <Amy.Wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	PIN OAK CREEK ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1376 FM 488
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Pin Oak Creek Energy Center, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EH&S
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MS
First	Amy
Middle	
Last	Wolf
Suffix	
Credentials	
Title	Project Manager III
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	5164258019
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	amy.wolf@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 26 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 43 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4649-36697
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

Attach OP-1 (Site Information Summary)	
[File Properties]	
File Name	OP-1 2025-05-02 Technical Contact Update.pdf
Hash	F9F2BE41C0A7C10A3420FA9787FD3805ECC64F0C0ADD49EDF40B08F17E1F3855
MIME-Type	application/pdf
Attach OP-ACPS (Application Compliance Plan and Schedule)	
Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)	
Attach OP-REQ2 (Negative Applicable Requirement Determinations)	
Attach OP-REQ3 (Applicable Requirements Summary)	
Attach OP-PBRSUP (Permits by Rule Supplemental Table)	
Attach OP-SUM (Individual Unit Summary)	
Attach OP-MON (Monitoring Requirements)	

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

An additional space to attach any other necessary information needed to complete the permit.

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-05-06
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	E0B51BE31C8E324F62FA962CECE40030BC222154663AC7F608AD49DAFC708C60

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.

- 3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
- 4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
- 5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
- 6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
- 7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
- 8. I am knowingly and intentionally signing Title V New.
- 9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-05-06
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	E0B51BE31C8E324F62FA962CECE40030BC222154663AC7F608AD49DAFC708C60

Submission

Reference Number:	The application reference number is 784198
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2025-05-06 at 14:51:18 CDT
Submitted From:	The application was submitted from IP address 12.76.14.190
Confirmation Number:	The confirmation number is 651403
Steers Version:	The STEERS version is 6.91

Additional Information

Application Creator: This account was created by Analyssa E Hernandez

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Amy Wolf
Technical Contact Title: Project Manager III
Employer Name: Calpine Corporation
Mailing Address: 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code 77002:
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (516) 425-8019
Fax No.:
Email: amy.wolf@calpine.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator:
B. State Representative:
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input type="checkbox"/> Yes <input type="checkbox"/> No
E. Indicate the alternate language(s) in which public notice is required:

From: Carolyn Maus
Sent: Tuesday, May 6, 2025 3:01 PM
To: analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com; Amy Wolf
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Thanks! I just got the STEERS notification. I will have our database updated and will ensure Amy is listed as the technical contact in my documents.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: analyssa.hernandez@powereng.com <analyssa.hernandez@powereng.com>
Sent: Tuesday, May 6, 2025 2:59 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Amy Wolf <Amy.Wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Carolyn,

Thank you for the status update on the permit review.
See attached for the OP-1 technical contact information that was submitted via STEERS.

Best,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus
Sent: Wednesday, April 30, 2025 12:54 PM
To: analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com; Amy Wolf
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Analyssa,

Apologies for the delayed reply – for some reason I didn't flag your email for response. I am currently getting the project ready for our internal quality and management review so that we can send out the public notice package.

Thanks for letting me know that Amy Wolf will be the new technical contact. I will update my documents and our database.

Could you please send me the technical contact portion of the OP-1 form with Amy's information? That way I have all the details I need. You can upload that in STEERS to certify.

Thanks!

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: analyssa.hernandez@powereng.com <analyssa.hernandez@powereng.com>
Sent: Tuesday, April 15, 2025 3:00 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Amy Wolf <Amy.Wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Carolyn,

I wanted to check in on the status of the permit review.

Please note that Amy Wolf (cc'd) will be the technical contact moving forward. Her phone number is 516-425-8019.

Best,

ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers

Member of WSP

www.powereng.com



From: Hernandez, Analyssa

Sent: Monday, March 17, 2025 3:08 PM

To: Carolyn Maus <carolyn.maus@tceq.texas.gov>

Cc: Moon, Larry <larry.moon@powereng.com>; Raza Amjad <Raza.Amjad@calpine.com>;

R6AirPermitsTX@epa.gov

Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Carolyn,

The STEERS application has been submitted. Please see the attached updated core data form for the address change. This was submitted via STEERS as well.

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	PIN OAK CREEK ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1376 FM 488
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Pin Oak Creek Energy Center, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EH&S
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Raza
Middle	
Last	Amjad
Suffix	
Credentials	
Title	Project Manager III
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	7135704653
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	raza.amjad@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 26 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 43 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4649-36697
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

Attach OP-1 (Site Information Summary)

Attach OP-ACPS (Application Compliance Plan and Schedule)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

An additional space to attach any other necessary information needed to complete the permit.

[File Properties]

File Name	03-13-2025 Response to TCEQ.pdf
Hash	AA03E5C8DDC5A653680DABA3535477109CA28481058E8842FC22DF50620AAA41
MIME-Type	application/pdf
[File Properties]	
File Name	Combined Response incl email and documents.pdf
Hash	60984F2E863AB0FC07F959CF5022E497186F9C4752794BD0AE34F92D22581ED3
MIME-Type	application/pdf
[File Properties]	
File Name	Core Data Form 03-11-2025.pdf
Hash	B33F1BF61EE1281E4E4B0A0F93EC8345A05FB86FEB4B87F49A0311BE9AFA78D0
MIME-Type	application/pdf
[File Properties]	
File Name	OP-UA11 03-11-2025.pdf
Hash	1D1B0D4D8EA98810C59BC1B0B39B24D60809BD1B91E75A01595B5758856D0D28
MIME-Type	application/pdf

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:

ER094486

Signature IP Address:	12.76.14.190
Signature Date:	2025-03-17
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	C92CDA611DE75E8D0F1D26AD88102DA9E948E1DA8D0FB848D18C61F882788DFE

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-03-17
Signature Hash:	A4E4E782063DF098CF25CD0FD1DF21DB10E835B6B7D32CE6643B0DC68ECD037E
Form Hash Code at time of Signature:	C92CDA611DE75E8D0F1D26AD88102DA9E948E1DA8D0FB848D18C61F882788DFE

Submission

Reference Number:	The application reference number is 768600
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2025-03-17 at 14:08:41 CDT
Submitted From:	The application was submitted from IP address 12.76.14.190
Confirmation Number:	The confirmation number is 639454
Steers Version:	The STEERS version is 6.88

Additional Information

Application Creator: This account was created by Analyssa E Hernandez

Hernandez, Analyssa

From: Hernandez, Analyssa
Sent: Friday, January 24, 2025 8:42 AM
To: carolyn.maus@tceq.texas.gov
Cc: Moon, Larry; Raza Amjad; R6AirPermitsTX@epa.gov
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: FPEC Comments_WDP O4649.docx; Major NSR Summary Table - GHG PSD MAERT 01-22-2025.pdf; Major NSR Summary Table - NSR-PSD MAERT 01-22-2025.pdf; OP-REQ1 Pg 83 88 01-16-2025.pdf; OP-REQ2 01-16-2025.pdf; OP-SUM 01-16-2025.pdf; OP-UA11 01-16-2025.pdf; adi_0300105.pdf; EPA_Alyeska Determination.pdf

Carolyn,

Thanks for passing along the draft permit to us for review. We have made comments in the draft permit file and have addressed your list of unresolved items. We have submitted the following forms through STEERS and attached here:

- Draft Permit comments
- Major NSR Summary Table – GHG PSD MAERT
- Major NSR Summary Table – NSR PSD MAERT
- OP-REQ1, page 83, 88
- OP-REQ2
- OP-SUM
- OP-UA11
- EPA Memos

See below for responses to the unresolved items **in red**:

Unresolved Items:

1. OP-REQ1:

- a. We just released a new OP-REQ1 version this fall. Most of the changes do not impact this site. However, in section XI.J there is now a new question #5. I believe this will be No, but please provide the page to confirm (please transfer your existing answers to any other questions on this page so the page is complete).
- b. In section XII.E, please correct the pollutant for GHGPSDTX233 to GHG and provide the updated page. (I understand the units are in CO2-equivalents, but for the purpose of this form we just use GHG for greenhouse gases, per the instructions.)

Response: We have updated the OP-REQ1 form page 83 for the new question. We also updated page 88 to update the pollutant to GHG.

2. OP-SUM:

- a. Since the NSR permit includes a separate MAERT table for GHGPSDTX233, that distinguishes which units are authorized by that portion. Therefore, for the tanks that are not included on that MAERT (EGTank, Stack5LOVT, Stack6LOVT), I was able to only list the other two permit numbers (173582 and PSDTX1626) as their preconstruction authorizations. The rest of the units will have all three numbers. To confirm this is acceptable, please update the OP-SUM to remove the GHG PSD number from the three tank rows.
- b. For the units are only on the OP-PBR SUP and have no other OP-UA or OP-REQ2 data, they do not need to be listed on the OP-SUM and will not be in the permit. This would be units on page 2 of your OP-SUM – WELD through WWASTE. Please update the OP-SUM to remove these rows so the permit file will be clear.

Response: We updated the OP-SUM to remove the GHGPSDTX233 permit from EGTank, Stack5LOVT, Stack6LOVT. We removed the units on Page 2 of the OP-SUM that were only on the OP-PBR SUP.

3. For NSPS TTTT (Table 7a of OP-UA11), each unit needs only one SOP Index No. because there is no change in the unit attribute answers on the form. Please remove 60TTTT-2 for CTG5 and CTG6.

Response: We have removed 60TTTT-2, and retained 60TTTT. Additionally, we have almost removed 60KKKK-2, and retained 60KKKK.

4. In recent years we have been trying to eliminate unnecessary permit shields. This reduces review time and makes the permit more useable. This also focuses the permit shields on rules that are truly potentially applicable. Permit shields that are based on geographical location are unnecessary because there is no operational change the site could make for the rule to become applicable. Therefore, I did not grant the permit shields for Chapter 117, Subchapter B; Chapter 115, HRVOC Vent Gas; Chapter 115, Vent Gas Controls; and Chapter 115, Storage of VOCs. Please submit an updated OP-REQ2 with these shields removed to confirm that this is acceptable.

Response: We have removed permit shields for Chapter 117, Subchapter B; Chapter 115, HRVOC Vent Gas; Chapter 115, Vent Gas Controls; and Chapter 115, Storage of VOCs.

5. I granted the permit shield requests for NSPS GG with a slight wording adjustment, but the citation was missing. I believe it will be 60.4305(b) because that is the citation (from NSPS KKKK) that addresses the overlap between the two rules. Please update the OP-REQ2 to include this as confirmation.

Response: We have updated the permit shield language and included the citation for NSPS GG in the OP-REQ2.

6. I granted the permit shield requests for NSPS TTTTa but adjusted the wording just to refer to the construction date threshold from the citation 60.5509a. The extra information you provided is helpful context for the file and for me to confirm the units qualify for the shield, but it does not need to be in the permit shield itself. Please confirm my wording is acceptable by updating the OP-REQ2. Also, could you provide a copy of the EPA Alyeska Pipeline Memo you mentioned? I'd like to include that in the file but was unable to locate it online.

Response: We have updated the permit shield language for NSPS TTTTa in the OP-REQ2. We have also included a copy of the EPA memo.

7. I have created the Major NSR Summary Tables for NSR 173582/PSDTX1626/GHGSPSDTX233 based on the 6/12/2024 issuance. Those are attached as separate documents. I will add to the permit after the tables are filled out. There is one table for each separate MAERT. The left side of each table comes directly from the MAERT and thus cannot be changed. Please add the NSR special condition numbers to the right three columns that contain any monitoring, testing, recordkeeping, or reporting requirements that are relevant for each EPN. (Or, if that information is found in an NSR application instead, then that should be cited.) Please review the instructions for this table, [Major NSR Summary Table – Instructions \[tceq.texas.gov\]](#) before filling it out. They explain the formatting to use, how to determine which terms to add for each category, and how to cite application pages if needed.

Response: We have added the NSR special condition numbers to the NSR summary tables.

Please let us know if you have any questions.

Best,

ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

[512-500-0951](tel:512-500-0951)

POWER Engineers, Inc.

www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>

Sent: Thursday, December 19, 2024 3:41 PM

From: analyssa.hernandez@powereng.com
Sent: Monday, March 17, 2025 3:08 PM
To: Carolyn Maus
Cc: larry.moon@powereng.com; Raza Amjad; R6AirPermitsTX@epa.gov
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: Core Data Form 03-11-2025.pdf

Hi Carolyn,

The STEERS application has been submitted. Please see the attached updated core data form for the address change. This was submitted via STEERS as well.

Please let us know if you have any questions.

Best,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Friday, March 14, 2025 1:44 PM
To: Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Cc: Moon, Larry <larry.moon@powereng.com>; Raza Amjad <Raza.Amjad@calpine.com>
Subject: [EXTERNAL] RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

<p>CAUTION: This Email is from an EXTERNAL source. STOP. THINK before you CLICK links or OPEN attachments.</p>

Hi Analyssa,

Thanks for letting me know. That will be fine.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other Regulated Entity Name update
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 606169704		RN 111788618

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input checked="" type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
PIN OAK CREEK ENERGY CENTER LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
City		State	ZIP	ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

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SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>								
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>								
Pin Oak Creek Energy Center								
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	1376 FM 488							
	City	Fairfield	State	TX	ZIP	75840	ZIP + 4	5483
24. County	Freestone							

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

25. Description to Physical Location:											
26. Nearest City					State				Nearest ZIP Code		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>											
27. Latitude (N) In Decimal:						28. Longitude (W) In Decimal:					
Degrees		Minutes		Seconds		Degrees		Minutes		Seconds	
29. Primary SIC Code			30. Secondary SIC Code			31. Primary NAICS Code			32. Secondary NAICS Code		
(4 digits)			(4 digits)			(5 or 6 digits)			(5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>											
34. Mailing Address:											
	City		State		ZIP		ZIP + 4				
35. E-Mail Address:											
36. Telephone Number				37. Extension or Code			38. Fax Number <i>(if applicable)</i>				
() -							() -				


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input checked="" type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
			FIA003C	
<input type="checkbox"/> Municipal Solid Waste	<input checked="" type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
	173582, PSDTX1626, GHGPSDTX233			
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input checked="" type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
		O4649		
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Analyssa Hernandez		41. Title:	Air Quality Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(512) 500-0951		() -	analyssa.hernandez@powereng.com	

SECTION V: Authorized Signature

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

Company:	Calpine Corporation	Job Title:	Plant Manager
Name (In Print):	Robert Dewitt	Phone:	(903) 389- 1447
Signature:		Date:	3/14/2025

From: analyssa.hernandez@powereng.com
Sent: Friday, March 14, 2025 1:45 PM
To: Carolyn Maus
Subject: Automatic reply: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

I am out of the office today. I will get back to you as soon as I can.

From: Carolyn Maus
Sent: Friday, March 14, 2025 1:44 PM
To: analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com; Raza Amjad
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Analyssa,

Thanks for letting me know. That will be fine.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: analyssa.hernandez@powereng.com <analyssa.hernandez@powereng.com>
Sent: Friday, March 14, 2025 1:22 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: larry.moon@powereng.com; Raza Amjad <Raza.Amjad@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Carolyn,

We have run into a delay submitting via STEERS. Is it okay if we submit the STEERS certification on Monday, 3/17 instead?

Please let us know.

Thank you,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com

From: analyssa.hernandez@powereng.com
Sent: Thursday, March 13, 2025 10:10 AM
To: Carolyn Maus
Cc: larry.moon@powereng.com; Raza Amjad; R6AirPermitsTX@epa.gov
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: OP-UA11 03-11-2025.pdf; Core Data Form 03-11-2025_signed.pdf

Hi Carolyn,

Thank you for incorporating the items from January. We are submitting a core data form to update the Regulated Entity Name to Pin Oak Creek Energy Center, and the Customer Name has already been updated in TCEQ Central Registry. Please update the permit to reflect these name changes.

We are submitting the responses and attachments from 1/24/2025, this email response, the updated NSPS TTTT 7a table (also attached), and the core data form in STEERS (also attached).

Please let us know if you have any questions.

Best,
ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512.500.0951

POWER Engineers
Member of WSP
www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Thursday, March 6, 2025 10:35 AM
To: Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Cc: Moon, Larry <larry.moon@powereng.com>; Raza Amjad <Raza.Amjad@calpine.com>;
R6AirPermitsTX@epa.gov
Subject: [EXTERNAL] RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

<p>CAUTION: This Email is from an EXTERNAL source. STOP. THINK before you CLICK links or OPEN attachments.</p>

Good morning,

I have attached a revised WDP based on your response from January. Here are the changes made to the permit:

1. Removed Special Term and Condition 16.D, regarding requirements under the Acid Rain Program from 40 CFR Part 76. (This is part of our boilerplate but we have been removing upon request for units that do not fire coal.)

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA11 (Page 15)
Federal Operating Permit Program
Table 7a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/12/2025	O4649	RN111788618

Unit ID No.	SOP Index No.	Construction/Reconstruction Date	Standard	Fuel Type	CO ₂ Emissions Determination	Commercial Operation Date
CTG5	60TTTT	2014+	90+INPUT	UNIFORM		
CTG6	60TTTT	2014+	90+INPUT	UNIFORM		



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other Regulated Entity Name update
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 606169704		RN 111788618

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input checked="" type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
PIN OAK CREEK ENERGY CENTER LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
City		State	ZIP	ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

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SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>							
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>							
Pin Oak Creek Energy Center							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County							

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

25. Description to Physical Location:								
26. Nearest City					State	Nearest ZIP Code		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:					28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
34. Mailing Address:								
	City		State		ZIP		ZIP + 4	
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
() -					() -			


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input checked="" type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
			FIA003C	
<input type="checkbox"/> Municipal Solid Waste	<input checked="" type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
	173582, PSDTX1626, GHGPSDTX233			
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input checked="" type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
		O4649		
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Analyssa Hernandez		41. Title:	Air Quality Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(512) 500-0951		() -	analyssa.hernandez@powereng.com	

SECTION V: Authorized Signature

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

Company:	Calpine Corporation	Job Title:	Plant Manager
Name (In Print):	Robert Dewitt	Phone:	(903) 389- 1447
Signature:		Date:	3/12/2025

From: Carolyn Maus
Sent: Thursday, March 6, 2025 10:35 AM
To: analyssa.hernandez@powereng.com
Cc: larry.moon@powereng.com; Raza Amjad; R6AirPermitsTX@epa.gov
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: Revised WDP O4649.docx

Good morning,

I have attached a revised WDP based on your response from January. Here are the changes made to the permit:

1. Removed Special Term and Condition 16.D, regarding requirements under the Acid Rain Program from 40 CFR Part 76. (This is part of our boilerplate but we have been removing upon request for units that do not fire coal.)
2. Updated requirements for CTG5 and CTG6 to remove the second index number for NSPS KKKK.
3. Added the Major NSR Summary Table with the NSR condition numbers you provided.

I will need two final items:

1. For NSPS TTTT, we just made a form correction to Table 7a of OP-UA11. Please go to the latest form version posted on our website and provided me an updated Table 7a for units CTG5 and CTG6. (This will not impact the requirements in your permit – the updated answer choices/questions just more accurately reflect the compliance options than the previous version.)
2. Certification for the responses from 1/24/2025 and for the updated NSPS TTTT table requested above. You can do that in one of the ways below:
 - a. Upload the email response and attachments from 1/24/2025, as well as the updated NSPS TTTT table, into STEERS. The RO and either DR or ADR will sign the STEERS submittal. OR
 - b. Upload Form OP-CRO1 in STEERS with the Time Period section filled out, since this is the only way to certify a date range. Fill out and upload both pages 1 and 2 of the OP-CRO1. The Time Period on each should go from 01/24/2025 to whenever you provide the updated NSPS TTTT table (which can also be uploaded in STEERS). The RO and either DR or ADR will sign the STEERS submittal.

Please provide the final items by **Friday, March 14, 2025**.

Thanks!

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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

From: Carolyn Maus

Sent: Friday, January 24, 2025 2:11 PM

To: analyssa.hernandez@powereng.com

Cc: larry.moon@powereng.com; Raza Amjad <Raza.Amjad@calpine.com>; R6AirPermitsTX@epa.gov

Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Analyssa,

Thanks for your thorough and prompt response. I will go through these items and prepare a revised WDP for you all to review. Looking through your response briefly, I think you've addressed everything I need, but I'll certainly let you know if any questions arise.

Sincerely,

Carolyn Maus, P.E.

Air Permits Division

Texas Commission on Environmental Quality

P.O. Box 13087, MC 163

Austin, TX 78711

Phone: (512) 239-6204

Fax: (512) 239-1400



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

From: analyssa.hernandez@powereng.com <analyssa.hernandez@powereng.com>

Sent: Friday, January 24, 2025 8:42 AM

To: Carolyn Maus <carolyn.maus@tceq.texas.gov>

Cc: larry.moon@powereng.com; Raza Amjad <Raza.Amjad@calpine.com>; R6AirPermitsTX@epa.gov

Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Carolyn,

Thanks for passing along the draft permit to us for review. We have made comments in the draft permit file and have addressed your list of unresolved items. We have submitted the following forms through STEERS and attached here:

- Draft Permit comments
- Major NSR Summary Table – GHG PSD MAERT
- Major NSR Summary Table – NSR PSD MAERT
- OP-REQ1, page 83, 88

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	FPEC
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Fpec, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EH&S
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Raza
Middle	
Last	Amjad
Suffix	
Credentials	
Title	Project Manager III
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	7135704653
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	raza.amjad@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 26 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 43 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4649-36697
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

Attach OP-1 (Site Information Summary)

Attach OP-ACPS (Application Compliance Plan and Schedule)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

[File Properties]

File Name	OP-REQ1 Pg 83 88 01-16-2025.pdf
Hash	58C83B4D55DDC1A4AB707ACA83B5AB353CA9E386B654EC1A92BD15E7BDF3DD90
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name	OP-REQ2 01-16-2025.pdf
Hash	83D47F03E11D91D27BFB9035706710676063E496B5ED739B48845960C0CA9383
MIME-Type	application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUM (Individual Unit Summary)

[File Properties]

File Name	OP-SUM 01-16-2025.pdf
Hash	D2C803860417575102BCAF667B9A0150166FC21AED99FDCC32B9B6AE187EF0CF
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA11 01-16-2025.pdf
Hash	50E3150B4F0003302B82050B4431EF1A45FD892AC8375E15D83AF1241B6FE66B
MIME-Type	application/pdf

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	EPA_Alyeska Determination.pdf
Hash	55EEA60140A8356422A47C89113AC343241F0F8BD19A142A85E37FE767058587
MIME-Type	application/pdf

[File Properties]

File Name	FPEC Comments_WDP O4649.docx
Hash	7405FEFE7F620749C8415BEB28AA3BBC69D3AC4CB7696B73C6FF1FF4061C74C
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name	Major NSR Summary Table - GHG PSD MAERT 01-22-2025.pdf
Hash	075710B57230E1C83D86406EB8318910F265193BDF2866A04AFCB5749A73E9A8
MIME-Type	application/pdf

[File Properties]

File Name	Major NSR Summary Table - NSR-PSD MAERT 01-22-2025.pdf
Hash	EB6A387740B2F34AAB1EB8FA6C89888BE3024B7BAF4F9E6A1B0F281D140EC6DA
MIME-Type	application/pdf

[File Properties]

File Name	adi_0300105.pdf
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Hash	52BC98209ABEA82BF7D0DFF7F748290A66C867F6AB1100E57B05127630C34760
MIME-Type	application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-01-24
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3
Form Hash Code at time of Signature:	FC055839283E73E5C4A400735713DBFC02E5ACA5A845001BD5AAF17044C2BC4A

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.

8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	12.76.14.190
Signature Date:	2025-01-24
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3
Form Hash Code at time of Signature:	FC055839283E73E5C4A400735713DBFC02E5ACA5A845001BD5AAF17044C2BC4A

Submission

Reference Number:	The application reference number is 748760
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2025-01-24 at 08:03:50 CST
Submitted From:	The application was submitted from IP address 12.76.14.190
Confirmation Number:	The confirmation number is 621800
Steers Version:	The STEERS version is 6.85

Additional Information

Application Creator: This account was created by Analyssa E Hernandez

From: analyssa.hernandez@powereng.com
Sent: Friday, January 24, 2025 8:42 AM
To: Carolyn Maus
Cc: larry.moon@powereng.com; Raza Amjad; R6AirPermitsTX@epa.gov
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: FPEC Comments_WDP O4649.docx; Major NSR Summary Table - GHG PSD MAERT 01-22-2025.pdf; Major NSR Summary Table - NSR-PSD MAERT 01-22-2025.pdf; OP-REQ1 Pg 83 88 01-16-2025.pdf; OP-REQ2 01-16-2025.pdf; OP-SUM 01-16-2025.pdf; OP-UA11 01-16-2025.pdf; adi_0300105.pdf; EPA_Alyeska Determination.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Carolyn,

Thanks for passing along the draft permit to us for review. We have made comments in the draft permit file and have addressed your list of unresolved items. We have submitted the following forms through STEERS and attached here:

- Draft Permit comments
- Major NSR Summary Table – GHG PSD MAERT
- Major NSR Summary Table – NSR PSD MAERT
- OP-REQ1, page 83, 88
- OP-REQ2
- OP-SUM
- OP-UA11
- EPA Memos

See below for responses to the unresolved items **in red**:

Unresolved Items:

1. OP-REQ1:

- a. We just released a new OP-REQ1 version this fall. Most of the changes do not impact this site. However, in section XI.J there is now a new question #5. I believe this will be No, but please provide the page to confirm (please transfer your existing answers to any other questions on this page so the page is complete).
- b. In section XII.E, please correct the pollutant for GHGPSDTX233 to GHG and provide the updated page. (I understand the units are in CO2-equivalents, but for the purpose of this form we just use GHG for greenhouse gases, per the instructions.)

Response: We have updated the OP-REQ1 form page 83 for the new question. We also updated page 88 to update the pollutant to GHG.

2. OP-SUM:

- a. Since the NSR permit includes a separate MAERT table for GHGPSDTX233, that distinguishes which units are authorized by that portion. Therefore, for the tanks that are not included on that MAERT (EGTank, Stack5LOVT, Stack6LOVT), I was able to only list the other two permit numbers (173582 and PSDTX1626) as their preconstruction authorizations. The rest of the units will have all three numbers. To confirm this is acceptable, please update the OP-SUM to remove the GHG PSD number from the three tank rows.

- b. For the units are only on the OP-PBRSUP and have no other OP-UA or OP-REQ2 data, they do not need to be listed on the OP-SUM and will not be in the permit. This would be units on page 2 of your OP-SUM – WELD through WWASTE. Please update the OP-SUM to remove these rows so the permit file will be clear.

Response: We updated the OP-SUM to remove the GHGPSDTX233 permit from EGTank, Stack5LOVT, Stack6LOVT. We removed the units on Page 2 of the OP-SUM that were only on the OP-PBRSUP.

3. For NSPS TTTT (Table 7a of OP-UA11), each unit needs only one SOP Index No. because there is no change in the unit attribute answers on the form. Please remove 60TTTT-2 for CTG5 and CTG6.

Response: We have removed 60TTTT-2, and retained 60TTTT. Additionally, we have almost removed 60KKKK-2, and retained 60KKKK.

4. In recent years we have been trying to eliminate unnecessary permit shields. This reduces review time and makes the permit more useable. This also focuses the permit shields on rules that are truly potentially applicable. Permit shields that are based on geographical location are unnecessary because there is no operational change the site could make for the rule to become applicable. Therefore, I did not grant the permit shields for Chapter 117, Subchapter B; Chapter 115, HRVOC Vent Gas; Chapter 115, Vent Gas Controls; and Chapter 115, Storage of VOCs. Please submit an updated OP-REQ2 with these shields removed to confirm that this is acceptable.

Response: We have removed permit shields for Chapter 117, Subchapter B; Chapter 115, HRVOC Vent Gas; Chapter 115, Vent Gas Controls; and Chapter 115, Storage of VOCs.

5. I granted the permit shield requests for NSPS GG with a slight wording adjustment, but the citation was missing. I believe it will be 60.4305(b) because that is the citation (from NSPS KKKK) that addresses the overlap between the two rules. Please update the OP-REQ2 to include this as confirmation.

Response: We have updated the permit shield language and included the citation for NSPS GG in the OP-REQ2.

6. I granted the permit shield requests for NSPS TTTTa but adjusted the wording just to refer to the construction date threshold from the citation 60.5509a. The extra information you provided is helpful context for the file and for me to confirm the units qualify for the shield, but it does not need to be in the permit shield itself. Please confirm my wording is acceptable by updating the OP-REQ2. Also, could you provide a copy of the EPA Alyeska Pipeline Memo you mentioned? I'd like to include that in the file but was unable to locate it online.

Response: We have updated the permit shield language for NSPS TTTTa in the OP-REQ2. We have also included a copy of the EPA memo.

7. I have created the Major NSR Summary Tables for NSR 173582/PSDTX1626/GHGPSDTX233 based on the 6/12/2024 issuance. Those are attached as separate documents. I will add to the permit after the tables are filled out. There is one table for each separate MAERT. The left side of each table comes directly from the MAERT and thus cannot be changed. Please add the NSR special condition numbers to the right three columns that contain any monitoring, testing, recordkeeping, or reporting requirements that are relevant for each EPN. (Or, if that information is found in an NSR application instead, then that should be cited.) Please review the instructions for this table, [Major NSR Summary Table – Instructions \[tceq.texas.gov\]](#) before filling it out. They explain the formatting to use, how to determine which terms to add for each category, and how to cite application pages if needed.

Response: We have added the NSR special condition numbers to the NSR summary tables.

Please let us know if you have any questions.

Best,

ANALYSSA E. HERNANDEZ, EIT
AIR QUALITY ENGINEER

512-500-0951

POWER Engineers, Inc.

www.powereng.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>

Sent: Thursday, December 19, 2024 3:41 PM

To: Moon, Larry <larry.moon@powereng.com>

Cc: Raza Amjad <Raza.Amjad@calpine.com>; Amy Wolf <amy.wolf@calpine.com>

Subject: [EXTERNAL] RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

<p>CAUTION: This Email is from an EXTERNAL source. STOP. THINK before you CLICK links or OPEN attachments.</p>

Hi Larry,

For now I can grant a two-week extension to January 24, 2025. (We are limited in the amount of extensions we can grant right away due to our management wanting to keep our projects on schedule to avoid backlog.) If we get closer to that date and more time is needed, we can discuss another extension.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1300



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From: larry.moon@powereng.com <larry.moon@powereng.com>

Sent: Thursday, December 19, 2024 1:22 PM

To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: Raza Amjad <Raza.Amjad@calpine.com>; Amy Wolf <amy.wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Carolyn,

Thank you for the quick review on this application. With the holidays coming up, Calpine would like to get an extension for reviewing the draft permit and responding to the Unresolved Items List until January 31, 2025. Please let us know if that will work.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Monday, December 16, 2024 5:48 PM
To: Amy Wolf <amy.wolf@calpine.com>
Cc: Moon, Larry <larry.moon@powereng.com>
Subject: [EXTERNAL] Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

<p>CAUTION: This Email is from an EXTERNAL source. STOP. THINK before you CLICK links or OPEN attachments.</p>

Hi Amy,

I have conducted a technical review of the initial application for FPEC, LLC, FPEC site. An electronic copy of the Working Draft Permit (WDP) is attached 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 on the working draft permit by **Friday, January 10, 2025**. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. **In addition please address the items on the attached Unresolved Items list with that response.**

Please review the second portion of the "SOP Technical Review Fact Sheet" located at [http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title V/sop_wdp_factsheet.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf) [tceq.texas.gov]. This guidance contains important information regarding WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application information, including application updates supporting the WDP comments, is required. 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 was not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1.

Please notify me when these updates have been submitted.

As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This submittal information can be found on our website at [Where to Submit FOP Applications and Permit-Related Documents \[tceq.texas.gov\]](#).

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,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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**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
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	Date Placed in Service	Unit	NO _x Emission Limitation	NO _x Monitoring	Max Emission Rate	MW Rating
CTG5	117E	95+					
CTG6	117E	95+					

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO _x Standard	Fuel Type
CTG5	60KKKK	SIMPLE	2005C	850+	NO	NOTER	NO	NGO
CTG6	60KKKK	SIMPLE	2005C	850+	NO	NOTER	NO	NGO

Stationary Turbine Attributes
Form OP-UA11 (Page 13)
Federal Operating Permit Program
Table 6b: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit ID No.	SOP Index No.	75% of Peak	30 MW	Turbine Use	NO _x Control	NO _x Monitoring	Common Steam Header	Duct Burner
CTG5	60KKKK	NO		ELCT	NO	CEMS		
CTG6	60KKKK	NO		ELCT	NO	CEMS		

Stationary Turbine Attributes
Form OP-UA11 (Page 14)
Federal Operating Permit Program
Table 6c: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit ID No.	SOP Index No.	Location	SO ₂ Standard	Fuel Monitoring	Fuel Quality	Performance Test	Intermediate Storage	Fuel Schedules
CTG5	60KKKK	NO	NO	YES	SAMP	SAMP		
CTG6	60KKKK	NO	NO	YES	SAMP	SAMP		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA11 (Page 15)
Federal Operating Permit Program
Table 7a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit ID No.	SOP Index No.	Construction/Reconstruction Date	Standard	Natural Gas Combustion	Net Electric Sales	Fuel Type	CO2 Emissions Determination	Commercial Operation Date
CTG5	60TTTT	2014+	INPUT	90%+	NO-NET	UNIFORM		
CTG6	60TTTT	2014+	INPUT	90%+	NO-NET	UNIFORM		

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

[Table 1](#)

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit/Process ID No.	Applicable Form	Unit Name/Description	CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I	Group ID No.
CTG5	OP-UA11	Combustion Turbine 5		173582	PSDTX1626, GHGPSDTX233	
CTG6	OP-UA11	Combustion Turbine 6		173582	PSDTX1626, GHGPSDTX233	
Stack5	OP-UA15	Combustion Turbine 5 Stack		173582	PSDTX1626, GHGPSDTX233	
Stack6	OP-UA15	Combustion Turbine 6 Stack		173582	PSDTX1626, GHGPSDTX233	
EMGEN	OP-UA2	Emergency Generator		173582	PSDTX1626, GHGPSDTX233	
EGTank	OP-UA3	Emergency Generator Tank		173582	PSDTX1626	
Stack5LOVT	OP-UA3	Combustion Turbine 5 Stack – Lube Oil storage tank		173582	PSDTX1626	
Stack6LOVT	OP-UA3	Combustion Turbine 6 Stack – Lube Oil storage tank		173582	PSDTX1626	

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

[Table 1](#)

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit/Process ID No.	Applicable Form	Unit Name/Description	CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I	Group ID No.

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

Table 2: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO₂ Trading Program

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO ₂	Texas SO ₂ Monitoring	COR
CTG5	OP-UA11	CTG-5	YES	NEW	YES	CEMSD	NO		YES
CTG6	OP-UA11	CTG-6	YES	NEW	YES	CEMSD	NO		YES

Form OP-REQ2
Negative Applicable/Superseded Requirement Determinations
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		EMGEN	OP-UA2	30 TAC Chapter 117, Subchapter B	§ 117.100	Not located in an applicable ozone nonattainment area.
		CTG5	OP-UA11	40 CFR Part 60, Subpart GG	§ 60.4305(b)	Stationary combustion turbine is regulated under 40 CFR Part 60, Subpart KKKK; therefore, it is exempt from requirements of 40 CFR Part 60, Subpart GG
		CTG5	OP-UA11	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3000(a)(3)	Equipment placed in service on or after December 31, 1995.
		CTG6	OP-UA11	40 CFR Part 60, Subpart GG	§ 60.4305(b)	Stationary combustion turbine is regulated under 40 CFR Part 60, Subpart KKKK; therefore, it is exempt from requirements of 40 CFR Part 60, Subpart GG
		CTG6	OP-UA11	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3000(a)(3)	Equipment placed in service on or after December 31, 1995.
		CTG6	OP-UA11	30 TAC Chapter 117, Subchapter B	§ 117.100	Not located in an applicable ozone nonattainment area.

Form OP-REQ2
Negative Applicable/Superseded Requirement Determinations
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		CTG5	OP-UA11	40 CFR Part 60, Subpart TTTTa	§ 60.5509a	Construction or reconstruction did not commence after May 23, 2023.
		CTG6	OP-UA11	40 CFR Part 60, Subpart TTTTa	§ 60.5509a	Construction or reconstruction did not commence after May 23, 2023.
		EGTank	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters
		Stack5LOVT	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters
		Stack6LOVT	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters

Application Area-Wide Applicability Determinations and General Information

Form OP-REQ1 (Page 83)

Federal Operating Permit Program

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

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

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 . <i>If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
◆ 5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO _x and is subject to 101.351(c).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
◆ 7.	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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
◆ 8.	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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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. <i>If the response to Question XI.K.1 is "Yes," go to Section XI.L.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
◆ 2.	The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "No," go to Section XI.L.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
◆ 3.	All periodic monitoring requirements are being removed from the permit with this application.	<input type="checkbox"/> Yes <input type="checkbox"/> No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/23/2025	O4649	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

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

XII. NSR Authorizations (Attach additional sheets if necessary for sections XII.E-J.)

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1626	06/12/2024	NO _x , CO, PM, PM ₁₀ , PM _{2.5} , VOC			
GHGPSDTX233	06/12/2024	GHG			

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

Permit No.	Issuance Date	Pollutant(s):	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

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Stack5	Combustion Turbine 5 Stack	NO _x	74.00	144.90	7, 10, 16, 17	8, 9, 10, 12, 16, 17	16, 17
		CO	44.31	282.95			
		VOC	5.50	41.10			
		PM	7.10	13.49			
		PM ₁₀	7.10	13.49			
		PM _{2.5}	7.10	13.49			
		SO ₂	3.36	6.38			
		H ₂ SO ₄	0.26	0.49			
Stack6	Combustion Turbine 6 Stack	NO _x	74.00	144.90	7, 10, 16, 17	8, 9, 10, 12, 16, 17	16, 17
		CO	44.31	282.95			
		VOC	5.50	41.10			
		PM	7.10	13.49			
		PM ₁₀	7.10	13.49			
		PM _{2.5}	7.10	13.49			
		SO ₂	3.36	6.38			
		H ₂ SO ₄	0.26	0.49			
Stack5MSS		NO _x	45.57	-	10, 19, 21	8, 9, 10, 19, 21	

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Combustion Turbine 5 Stack - MSS	CO	514.57	-			
		VOC	91.86	-			
Stack6MSS	Combustion Turbine 6 Stack - MSS	NO _x	45.57	-	10, 19, 21	8, 9, 10, 19, 21	
		CO	514.57	-			
		VOC	91.86	-			
EMGEN	Emergency Generator	NO _x	26.39	1.33		12	
		CO	2.41	0.12			
		VOC	0.63	0.03			
		PM	0.29	0.01			
		PM ₁₀	0.29	0.01			
		PM _{2.5}	0.29	0.01			
		SO ₂	0.02	<0.01			
FUGMSS	Misc. Fugitive Emissions	NO _x	<0.01	<0.01			
		CO	<0.01	<0.01			
		VOC	3.49	0.02			
		PM	0.01	<0.01			
		PM ₁₀	<0.01	<0.01			

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	<0.01	<0.01			
Stack5TWON	Combustion Turbine 5 Stack-Turbine Washing Online	PM	0.05	0.01	22		
		PM ₁₀	0.05	0.01			
		PM _{2.5}	0.05	0.01			
Stack6TWON	Combustion Turbine 6 Stack-Turbine Washing Online	PM	0.05	0.01	22		
		PM ₁₀	0.05	0.01			
		PM _{2.5}	0.05	0.01			
Stack5TWOF	Combustion Turbine 5 Stack-Turbine Washing Offline	VOC	0.02	<0.01	22	22	
Stack6TWOF	Combustion Turbine 6 Stack-Turbine Washing Offline	VOC	0.02	<0.01	22	22	
Stack5LOV	Combustion Turbine 5 Stack - Lube Oil Vent	VOC	0.06	0.26			
		PM	0.06	0.26			
		PM ₁₀	0.06	0.26			
		PM _{2.5}	0.06	0.26			
Stack6LOV	Combustion Turbine 6 Stack - Lube Oil Vent	VOC	0.06	0.26			
		PM	0.06	0.26			
		PM ₁₀	0.06	0.26			

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	0.06	0.26			
NGPipeLeak	Natural Gas piping component fugitive leaks (5)	VOC	0.01	0.04			
EGTank	Emergency Generator - Tank	VOC	0.27	<0.01	23	15, 23	
Stack5LOVT	Combustion Turbine 5 Stack - Lube oil storage tank	VOC	0.25	<0.01	23	15, 23	
Stack6LOVT	Combustion Turbine 6 Stack - Lube oil storage tank	VOC	0.25	<0.01	23	15, 23	
All	All Sources at the Site	Individual HAPs	-	<10.00			
		Total HAPs	-	<25.00			

(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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - 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

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

(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.

Major NSR Summary Table

Permit Number GHGPSDTX233					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Stack5	Combustion Turbine 5 Stack	CO ₂ (5)		501,711.30	29	26, 30, 31	29
		CH ₄ (5)		0.95			
		N ₂ O (5)		9.46			
		CO ₂ e		502,229.46			
Stack6	Combustion Turbine 6 Stack	CO ₂ (5)		501,711.30	29	26, 30, 31	29
		CH ₄ (5)		0.95			
		N ₂ O (5)		9.46			
		CO ₂ e		502,229.46			
EMGEN	Emergency Generator	CO ₂ (5)		115.29		30, 31	
		CH ₄ (5)		<0.01			
		N ₂ O (5)		<0.01			
		CO ₂ e		115.68			
NGPipeLeak	Natural Gas piping component fugitive leaks	CO ₂ (5)		0.01	28	28, 31	
		CH ₄ (5)		0.42			
		CO ₂ e		10.49			
CirBreak1 through CirBreak6	Circuit Breaker 1 through 6	SF ₆ (5)		<0.01	28	28, 31	
		CO ₂ e		68.97			

- (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)
 - CO₂ - carbon dioxide
 - N₂O - nitrous oxide
 - CH₄ - methane
 - SF₆ - sulfur hexafluoride
 - CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO₂ (1), N₂O (298), CH₄(25), SF₆ (22,800)
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

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compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO₂ 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. SO₂ 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 SO₂.
- (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 SO₂ for the previous calendar year.
- (iii) Each ton of SO₂ emitted in excess of the acid rain emissions limitations for SO₂ 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 SO₂ 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 SO₂ 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 SO₂ and NO_x.

Commented [AH1]: FPEC requests this be removed. 40 CFR Part 76 applies to coal-fired units. The turbines are natural-gas fired.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
CTG5	STATIONARY TURBINES	N/A	60KKKK-1	40 CFR Part 60, Subpart KKKK	75% of Peak = The combustion turbine operates at less than 75% of peak load or at temperatures less than zero degrees F., 30 MW = The combustion turbine has an output of greater than 30 MW.
CTG5	STATIONARY TURBINES	N/A	60KKKK-2	40 CFR Part 60, Subpart KKKK	75% of Peak = The combustion turbine does not operate at less than 75% of peak load or at temperatures less than zero degrees F.
CTG5	STATIONARY TURBINES	N/A	60TTTT-1	40 CFR Part 60, Subpart TTTT	No changing attributes.
CTG6	STATIONARY TURBINES	N/A	60KKKK-1	40 CFR Part 60, Subpart KKKK	75% of Peak = The combustion turbine operates at less than 75% of peak load or at temperatures less than zero degrees F., 30 MW = The combustion turbine has an output of greater than 30 MW.
CTG6	STATIONARY TURBINES	N/A	60KKKK-2	40 CFR Part 60, Subpart KKKK	75% of Peak = The combustion turbine does not operate at less than 75% of peak load or at temperatures less than zero degrees F.
CTG6	STATIONARY TURBINES	N/A	60TTTT-1	40 CFR Part 60, Subpart TTTT	No changing attributes.
EMGEN	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
EMGEN	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
STACK5	EMISSION POINTS/STATIONARY	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Commented [AH2]: Please revise CTG5 and CTG6 applicability to 40 CFR Part 60, Subpart KKKK based on the updated OP-UA11 form.

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)
CTG5	EU	60KKKK-1	NO _x	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b) § 60.4333(a) § 60.4335(b)(1) [G]§ 60.4345	Turbines operating at less than 75 percent of peak load, or turbines operating at temperatures less than 0 degrees F with greater than 30 MW output must meet the nitrogen oxides emission standard of 96 ppm at 15 percent O ₂ .	§ 60.4335(b)(1) [G]§ 60.4345 § 60.4350(a) § 60.4350(b) § 60.4350(d) § 60.4350(e) § 60.4350(f) § 60.4350(g) [G]§ 60.4400(a) § 60.4400(b) § 60.4400(b)(1) § 60.4400(b)(4) § 60.4400(b)(5) § 60.4400(b)(6) [G]§ 60.4405	[G]§ 60.4345 § 60.4350(b)	[G]§ 60.4345 § 60.4350(d) § 60.4375(a) § 60.4380 [G]§ 60.4380(b) § 60.4395
CTG5	EU	60KKKK-1	SO ₂	40 CFR Part 60, Subpart KKKK	§ 60.4330(a)(2) § 60.4333(a)	You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO ₂ /J (0.060 lb SO ₂ /MMBtu) heat input. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement.	§ 60.4365 § 60.4365(b) § 60.4415(a) § 60.4415(a)(2) § 60.4415(a)(2)(ii)	§ 60.4365(b)	§ 60.4375(a)
CTG5	EU	60KKKK-2	NO _x	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b) § 60.4325 § 60.4333(a) § 60.4335(b)(1) [G]§ 60.4345	New, modified, or reconstructed turbine firing natural gas with a heat input at peak load > 850 MMBtu/h must meet the nitrogen oxides emission standard of 15 ppm at 15 percent O ₂ .	§ 60.4335(b)(1) [G]§ 60.4345 § 60.4350(a) § 60.4350(b) § 60.4350(d) § 60.4350(e) § 60.4350(f) § 60.4350(g) [G]§ 60.4400(a) § 60.4400(b) § 60.4400(b)(1) § 60.4400(b)(4)	[G]§ 60.4345 § 60.4350(b)	[G]§ 60.4345 § 60.4350(d) § 60.4375(a) § 60.4380 [G]§ 60.4380(b) § 60.4395

Commented [AH3]: Requesting the removal of § 60.4400(b)(1). This citation refers to the combustion of natural gas and oil. The turbine combusts natural gas only.

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)
							§ 60.4400(b)(5) § 60.4400(b)(6) [G]§ 60.4405		
CTG5	EU	60KKKK-2	SO ₂	40 CFR Part 60, Subpart KKKK	§ 60.4330(a)(2) § 60.4333(a)	You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO ₂ /J (0.060 lb SO ₂ /MMBtu) heat input. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement.	§ 60.4365 § 60.4365(b) § 60.4415(a) § 60.4415(a)(2) § 60.4415(a)(2)(ii)	§ 60.4365(b)	§ 60.4375(a)
CTG5	EU	60TTTT	CO ₂	40 CFR Part 60, Subpart TTTT-1	§ 60.5520(a)-Table 2 § 60.5520(a) § 60.5520(d) § 60.5520(d)(1)	For each newly constructed or reconstructed stationary combustion turbine that supplies its design efficiency or 50 percent, whichever is less, times its potential electric output or less as net-electric sales on either a 12-operating month or a 3-year rolling average basis and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis, do not discharge 50 kg CO ₂ per gigajoule (GJ) of heat input (120 lb CO ₂ /MMBtu), as listed in Table 2 to this subpart.	None	§ 60.5520(d)(1) § 60.5525 § 60.5535(a) § 60.5560(a) § 60.5565(a) § 60.5565(b) § 60.5565(c)	None
CTG6	EU	60KKKK-1	NO _x	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b)	Turbines operating at less than 75 percent of peak load, or turbines operating at temperatures less than 0	§ 60.4335(b)(1) [G]§ 60.4345 § 60.4350(a) § 60.4350(b)	[G]§ 60.4345 § 60.4350(b)	[G]§ 60.4345 § 60.4350(d) § 60.4375(a) § 60.4380

Commented [AH4]: Requesting the removal § 60.5525, § 60.5535(a). We believe these citations are redundant and not applicable as the turbines meet § 60.5520(d)(1).

This letter has been superceded by a September 3, 2003 letter from Jeff KenKnight. The September 3, 2003 letter does not deal with Title V and is not in the database. For a copy of September 3, 2003 letter see the Applicability Determination Index at <http://cfpub.epa.gov/adi/> or contact EPA Region 10.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, Washington 98101

August 1, 2002

Reply To
Attn Of: OAQ-107

Jordan E. Jacobson
Counsel
Alyeska Pipeline Service Company
1835 South Bragaw Street
Anchorage, Alaska 99512

Re: 40 CFR part 60, Subpart GG, Applicability Determination

Dear Mr. Jacobson:

The purpose of this letter is to respond to your letter of December 18, 2001, asking several questions relating to the applicability of New Source Performance Standard (NSPS) subparts A and GG (Standards of Performance for Stationary Gas Turbines) to turbines used in the operation of the Trans-Alaska Pipeline System (TAPS) pump stations. NSPS subpart GG applies to all stationary gas turbines with a heat input at peak load equal to or greater than 10.7 gigajoules (10 mil. Btu) per hour, based on the lower heating value of the fuel fired, that commenced construction, modification or reconstruction after October 3, 1977. See 40 CFR 60.330.

Your letter correctly states that the State of Alaska does not have federal delegation of NSPS subpart GG, and you therefore appropriately directed your applicability determination to EPA. Authority to issue determinations pertaining to applicability of a source to 40 CFR part 60 has been delegated to the Unit Managers in EPA Region 10's Office of Air Quality.

Background

Alyeska is the operator of TAPS on behalf of the pipeline owner companies, crude oil pipeline common carriers. The TAPS pipeline transports crude oil through the pipeline by pumps that are associated with pump stations. According to Alyeska, the pump stations at issue, including the major equipment and emission sources "commenced construction," as defined in NSPS subpart A, prior to October 3, 1977. The pump stations employ turbines that provide mechanical power for a number of tasks, such as powering pumps and electric generators. The turbines are removed from their operating locations periodically for maintenance and a turbine from the TAPS inventory of the same turbine family is substituted as a replacement. The equipment powered by the turbine (such as the pump or the electric generator) remains in place. In other words, there are a number of turbines, both in use and in inventory, that are moved around the TAPS from location to location.

Most of the turbines were manufactured and began operation on the TAPS prior to October 3, 1977, the applicability date for NSPS subpart GG. Alyeska does also have some turbines manufactured after October 3, 1977. According to your letter, Alyeska has at all times treated these turbines manufactured after October 3, 1977, as subject to NSPS subparts A and GG regardless of where they are operated on the TAPS.

The turbines at issue in Alyeska's applicability determination request are those that were manufactured before October 3, 1977, but did not begin operating on the TAPS until after October 3, 1977, for one of several reasons:

- the turbines were purchased and maintained by Alyeska before October 3, 1977, but did not begin operation on the TAPS until after October 3, 1977. These turbines were held as spares and later rotated into service to replace operating turbines removed for maintenance;
- the turbines were not purchased by Alyeska until after October 3, 1977 and therefore did not begin operation on the TAPS until after October 3, 1977; or
- the turbines were purchased used by Alyeska after October 3, 1977 from another owner who bought them before October 3, 1977. Alyeska does not know whether they were placed into operation by the previous owner before October 3, 1977.

Question 1: Are the turbines that were manufactured before October 3, 1977 and purchased and maintained by Alyeska before October 3, 1977, but that did not begin initial operation on the TAPS until after October 3, 1977 because they were held as spares and later rotated into service, subject to NSPS subpart GG?

Question 2: Are the turbines that were manufactured before October 3, 1977, but were not purchased by Alyeska from the manufacturers until after October 3, 1977 (and therefore did not begin operation on the TAPS until after October 3, 1977), subject to NSPS subpart GG?

Question 3: Are the turbines that were manufactured before October 3, 1977, and purchased as used by Alyeska after October 3, 1977 from another owner who bought them before October 3, 1977, subject to NSPS subpart GG, even if they may not have been placed into operation by the previous owner before October 3, 1977?

Response 1, 2 and 3: In the case of stationary gas turbines that are mass-produced and purchased in completed form, EPA considers the manufacturer as the original owner or operator. Based on the information provided in your letter, the turbines you describe appear to fit this description.¹

¹This would not be the case for a stationary gas turbine which is not fabricated by the manufacturer as a complete stationary gas turbine, as defined in 60.331(a). Some turbines, particularly large gas turbines, are field erected, and do not exist as complete stationary gas turbines at the manufacturer. In such instances, a case-by-case

Therefore, these turbines are not subject to NSPS GG provided they were not “modified” or “reconstructed”, as defined in NSPS subpart A, on or after October 3, 1977. See Letter from Edward E. Reich, EPA, to David, L. Mulliken, dated December 29, 1980 (Control Number GG06) (for purposes of subpart GG, EPA considers the manufacturer as the original owner or operator and hence subject to the standard; once the manufacturer has sold a turbine, it is no longer considered the owner or operator of that turbine).

Question 4: Do the requirements of NSPS subparts A and GG apply only to the turbine, as the “affected facility,” so that a turbine that is subject to NSPS subparts A and GG is operated as a GG turbine no matter where it is operated on the TAPS? In other words, do the requirements of subparts A and GG follow the new turbine wherever it is operated on the TAPS?

Response 4: Under NSPS subparts A and GG, the turbine is the “affected facility,” as defined in 40 CFR 60.2 and the requirements of subparts A and GG follow a turbine constructed, modified or reconstructed after October 3, 1977, regardless of where the turbine is relocated to. See 40 CFR 60.2 (definition of affected facility); 40 CFR 60.330 (applicability and designation of affected facility under subpart GG). The “affected facility” subject to NSPS subpart GG is the stationary gas turbine and does not include the equipment that is powered by the turbine (such as a generator or a pump).

Question 5: Do the Alyeska turbines that were manufactured before October 3, 1977 become subject to NSPS GG if they are treated as a pool of identical turbines and moved from location to location between TAPS pump stations to allow for maintenance of turbines?

Response 5: Assuming the maintenance does not result in a “modification” or “reconstruction,” as those terms are defined in 40 CFR subpart A, and, assuming that the turbines are not otherwise “modified” or “reconstructed,” as those terms are defined in 40 CFR subpart A, as a result of the relocation of the turbines, relocation of a turbine as part of pool of identical turbines would not make the turbine subject to NSPS subpart GG. See 40 CFR 60.14(e)(6)(the relocation or change in ownership of an affected facility is not, by itself, a modification); see also Letter from Steven C. Riva, Chief, Permitting Section, Air Programs Branch, EPA Region 2, to Thomas Micai, Chief, Bureau of Operating Permits, Air Quality Permitting Program, New Jersey Department of Environmental Protection, dated April 1, 1999 (switching a pool of identical turbines among different generating stations to allow for the routine repair of malfunctioning units does not constitute a “modification” for purposes of NSPS provided the turbines are not otherwise modified or reconstructed); letter from R. Douglas Neeley, Chief, Air and Radiation Technology Branch, Air, Pesticides and Toxics Management Division, EPA Region 4, to Ronald W. Gore, Chief, Air Division, Alabama Department of Environmental Management, dated March 1, 1999 (Control Number 0000110) (subpart GG does not apply to turbines retrofitted with pollution control equipment or relocated to another facility if the cost for any repairs or

analysis would be necessary to determine on what date construction commenced.

maintenance undertaken as a result of relocation is less than 50% of the cost for comparable new turbines; assumes the retrofitting with pollution control equipment will not increase emissions).

The Title V permit can be written to reflect Alyeska's practice of maintaining a pool of turbines and moving turbines from location to location between TAPS pump stations to allow for maintenance of turbines by using the authority provided for reasonably anticipated operating scenarios in 40 CFR 70.6(a)(9). To do this, it is essential that the Title V permit require monitoring, recordkeeping, and reporting requirements to document that the turbines not subject to NSPS subpart GG can be clearly identified and that the relocation and replacement of such turbines from the pool does not constitute a "modification" or "reconstruction," as those terms are defined in NSPS subpart A. EPA therefore expects that the Title V permit issued for the TAPS will contain monitoring, recordkeeping, and reporting requirements along the lines of the following:

1. Inclusion in the permit of a complete list of all turbines maintained as part of the pool, with detailed information on the make, model, date of manufacture, serial number, maximum heat input, and location for each turbine. This must be made part of the Title V permit and updated with regard to the location of each turbine as its is moved along the TAPS.
2. A requirement to maintain, for each turbine, records of the maintenance/repairs/parts replacement, including the date and time of each servicing, the service performed, and the costs of the service.
3. A requirement to notify the permitting authority in writing no later than 7 days after any turbine from the pool is switched with another turbine from the pool.
4. A requirement to record in a log the following information each time a turbine is switched:
 - a. the date the switch occurred;
 - b. identification of the malfunctioning turbine and the substitute turbine by make, model, date of manufacture, serial number, maximum heat input, and location; and
 - c. a demonstration (such as mass balance) showing that the switch did not result in an increase of any pollutant or the emission of a new pollutant not previously emitted.

Question 6: Does a turbine that is not subject to NSPS subpart GG (because it was not constructed, modified or reconstructed after October 3, 1977) become subject to NSPS subpart GG if it rotated into a location to replace a turbine that is subject to NSPS subpart GG?

Response 6: A turbine that was not constructed, modified or reconstructed after October 3, 1977, as those terms are defined in 40 CFR subpart A, does not become subject to NSPS subpart GG simply because it is rotated into a location to replace a turbine that is subject to NSPS subpart GG. As discussed above, under NSPS subparts A and GG, the turbine is the “affected facility,” as defined in 40 CFR 60.2, and a relocation of an affected facility is not, by itself, a modification.

Please note that the responses in this letter are limited to questions presented under NSPS subparts A and GG. Other CAA requirements may apply to these kinds of changes, such as major New Source Review or Prevention of Significant Deterioration. If you have any questions regarding the above, please feel free to contact me at (206) 553-6641 or contact Kai-Hon Shum at (206) 553-2117 for technical matters or Julie Vergeront at (206) 553-1497 for legal matters.

Sincerely,

/Signed/

Jeff KenKnight, Manager
Federal And Delegated Air Programs Unit
Office of Air Quality

cc: John Kuterbach (ADEC)



U.S. Environmental Protection Agency Applicability Determination Index

Control Number: 0300105

Category: NSPS
EPA Office: Region 10
Date: 09/08/2003
Title: Gas Turbine Definition and Modification Issues
Recipient: Jordan Jacobson
Author: Jeff KenKnight

Subparts: Part 60, GG, Stationary Gas Turbines

References: 60.14(e)(2)
60.15
60.2
60.330
60.331(a)

Abstract:

Q1: What is the affected facility for purposes of Subpart GG where the source has a package unit that consists of separate gas and reactor equipment components?

A1: The gas turbine affected facility for purposes of Subpart GG is the "Mainline Unit Package", which is comprised of a gas component that produces the high-energy exhaust gas flow and a reaction component that receives the exhaust gas flow and is made up of the diffuser/bladed wheel and shaft.

Q2: If the gas component of the "Mainline Unit Package" turbine is removed routinely for maintenance and replaced by an identical model, does this rotation constitute a modification of the affected facility?

A2: If the rotation of the gas components increases emissions, the source must review the replacement to determine if the Mainline Unit Package is subject to Subpart GG pursuant to the modification provisions. The source also must review the rotation of the gas components to determine whether the replacement of a gas component exceeds 50% of the fixed capital cost of the "Mainline Unit Package" which would constitute a "reconstruction" under 40 CFR 60.15.

Q3: Does the addition of rim cooling to a "Mainline Unit Package" result in a modification that would make the turbine an affected facility under NSPS Subpart GG?

A3: Based on the information presented by the source, the addition of rim cooling does result in an increase in emissions of air pollutants, but this increase occurs as a result of an increase in production rate. Under the NSPS modification provisions, increases in production rate that increase emissions will trigger applicability only if the increased production rate requires a capital expenditure. EPA believes that in this case a capital expenditure may have occurred, but the source may evaluate and provide further documentation to show that no capital expenditure was required.

Letter:

Reply To
Attn Of: OAQ 107

Jordan E. Jacobson
Counsel
Alyeska Pipeline Service Company
1835 South Bragaw Street
Anchorage, Alaska 99512

Re: NSPS Subpart GG Applicability Determination for the Alyeska Pipeline Service Company; Rim Cooling

Dear Mr. Jacobson:

The purpose of this letter is to respond to your letter of March 18, 2002, regarding the applicability of New Source Performance Standard (NSPS) Subparts A (General Provision) and GG (Standards of Performance for Stationary Gas Turbines) to certain sources associated with the operation of the Trans-Alaska Pipeline System (TAPS). NSPS Subpart GG applies to all stationary gas turbines with a heat input at peak load equal to or greater than 10.7 gigajoules (10 million Btu) per hour, based on the lower heating value of the fuel fired, that commenced construction, modification or reconstruction after October 3, 1977. See 40 CFR 60.330. Based on new information provided by Alyeska, this applicability determination supersedes the applicability determination issued by EPA to Alyeska on August 1, 2002 (Control Number 0300006).

Your March 18, 2002, letter correctly states that the State of Alaska does not have federal delegation of NSPS Subpart GG, and you therefore appropriately directed your applicability determination to EPA. Authority to issue determinations pertaining to applicability of a source to 40 CFR Part 60 has been delegated to the Unit Managers in EPA Region 10's Office of Air Quality.

Background

TAPS is a pipeline that transports crude oil from the North Slope of Alaska to a port (Valdez Marine Terminal) near the community of Valdez, Alaska. Alyeska operates the TAPS pipeline on behalf of the pipeline owner companies. The crude oil is transported through the pipeline by pumps that are associated with pumping stations. Turbines are used to power the pumping stations. According to the March 18, 2002, applicability determination request from Alyeska, there are two types of "turbines" employed at the TAPS pumping stations, a "Rolls Royce MK-1533 Avon Turbine" (Avon Gas Component) and a "Cooper Bessemer Reaction Turbine" (Cooper Bessemer Reaction Component). The two components make up what Alyeska refers to as a "Mainline Unit Package." The Avon Gas Component produces the high-energy exhaust gas flow which is then routed via ducting to the Cooper Bessemer Reaction Component, which is made up of the diffuser/bladed wheel and shaft. According to Alyeska's March 18, 2002 applicability determination request, there are seven active pump stations, six of which have one or more Mainline Unit Packages.

In the March 18, 2002, applicability determination request, Alyeska states that the Avon Gas Component can be removed from its associated Mainline Unit Package for maintenance or may be relocated to a Mainline Unit Package at another location. Alyeska claims that since each Avon Gas Component is the same model, the movement of the Avon Gas Component does not affect the peak load of the Mainline Unit Package. Alyeska also states that several of the Mainline Unit Packages have been modified with the addition of a cooling configuration referred to as "rim cooling." Rim cooling involves routing a small volume of air from the Avon Gas Component to the Cooper Bessemer Reaction Component wheel, which cools the wheel such that the unit can operate at a higher rpm with an increased production rate. According to Alyeska, the addition of the rim cooling allows a Mainline Unit Package to increase its maximum capacity from 7500 rpm to 7900 rpm.

In the course of reviewing Alyeska's request, EPA contacted the company and requested additional information regarding the cost for adding rim cooling to Mainline Unit Package. Alyeska provided EPA preliminary cost information during a site visit to a pump station in Prudhoe Bay on June 25, which was followed up with correspondence from Alyeska to EPA Region 10 dated July 18, 2003. The July 18 correspondence also included additional information which EPA has considered in the preparation of this response.

Questions Presented

The questions posed by Alyeska's letter of March 18, 2002 are as follows: Does the addition of "rim cooling" to a Mainline Unit Package result in a "modification" to the Avon Gas Component of the Mainline Unit Package such that the Avon Gas Component is subject to NSPS Subpart GG? If there is such a modification, does the Avon Gas Component remain subject to NSPS Subpart GG when it is removed from servicing a Mainline Unit Package that has been modified with rim cooling and rotated to another Mainline Unit Package that has not been modified with rim cooling?

Based on further discussions between Alyeska and EPA at a meeting on May 14, 2003, EPA believes that the following issues must be addressed to determine the applicability of 40 CFR Part 60, Subpart GG to the Mainline Unit Packages: 1) What is the "affected facility;" 2) Does the rotation of the Avon Gas Components among Mainline Unit Packages affect the applicability of Subpart GG; and 3) Does the installation of rim cooling affect the applicability of Subpart GG.

Defining the Affected Facility

NSPS Subpart GG applies to all "stationary gas turbines" with a heat input at peak load equal to or greater than 10.7 gigajoules (10 million Btu) per hour, based on the lower heating value of the fuel fired, that commenced construction, modification or reconstruction after October 3, 1977. See 40 CFR 60.330. Based on the information provided by Alyeska in the March 18, 2002, applicability determination request, and from EPA's on site observations at Pump Station 1, Prudhoe Bay, Alaska on June 25, EPA has determined that the Mainline Unit Package (and not the individual components) is a "stationary gas turbine." As that term is defined in 40 CFR 60.331(a), a stationary gas turbine means "any simple cycle gas turbine, regenerative cycle gas turbine or any gas turbine portion of a combined cycle steam/electric generating system that is not self propelled. It may, however, be mounted on a vehicle for portability."

EPA describes a stationary gas turbine as being composed of three major components: compressor, combustor, and power turbine (Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Vol. I: Stationary Point and Area Sources, Chapter 3.1, Stationary Gas Turbines). AP-42 expands this description and how it is used in industrial applications, stating, "Energy from the hot exhaust gases, which expand in the power turbine section, are recovered in the form of shaft horsepower. More than 50 percent of the shaft horsepower is needed to drive the internal compressor and the balance of recovered shaft horsepower is available to drive an external load." (Emphasis added.) Instructional training materials prepared by the California Air Resources Board (CARB) further support the position that, in the case of a stationary gas turbine, the turbine includes the power turbine component that is necessary to produce usable energy. CARB Course Number 272, Gas Turbines, June 1996, pages 200-31; 200-48; 200-61, and 200- 69. As used by Alyeska, the Avon Gas Component serves as the compressor and combustor, and the Cooper Bessemer Reaction Component serves as the power turbine. Thus, the combination of the two components makes up the stationary gas turbine. The Avon Gas Component is not a stationary gas turbine in and of itself, but rather, a component of the stationary gas turbine.

As discussed above, NSPS Subpart GG applies only to stationary gas turbines that commenced construction, modification or reconstruction after October 3, 1977. Before addressing the issue raised by Alyeska in its March 18, 2002, request, EPA first considered the date of commencement of construction of the Mainline Unit Packages. As discussed above, the fabrication of a Mainline Unit Package includes installation of the Avon Gas Component, the Cooper Bessemer Reaction Component all associated duct work and electrical components. We have therefore determined that the relevant inquiry is on what date the Mainline Unit Package "commenced construction," not the date that the Avon Gas Component and/or the Cooper Bessemer Reaction Component "commenced construction." Therefore, Alyeska should ascertain the dates upon which each Mainline Unit Package "commenced construction," to determine if the Mainline Unit Package was constructed prior to October 3, 1977, the effective date of Subpart GG. The definitions of "commenced" and "construction" in 40 CFR Section 60.2 should be considered when addressing when each Mainline Unit Package "commenced construction." Any modifications, as described in 40 CFR Section 60.14, made to the Mainline Unit Package other than those described in the March 18, 2002 letter, should also be considered.

In response to a letter from Alyeska dated December 18, 2001, relating to the applicability of NSPS Subparts A and GG to turbines used in the operation of the TAPS pump stations, EPA issued an applicability determination dated August 1, 2002 (Control Number 0300006). Alyeska's December 18,

2001, letter referred to the equipment in question as a "turbine," which EPA assumed included a compressor, combustor, and a power turbine. In EPA's August 1, 2002, response, EPA stated that "In the case of stationary gas turbines that are mass-produced and purchased in completed form, EPA considers the manufacturer as the original owner or operator." See Letter from Edward E. Reich, EPA, to David L. Milliken, December 29, 1980. EPA further stated that the turbines described by Alyeska in the December 18, 2001, letter appear to fit the description of "turbines that are mass-produced and purchased in completed form." Based on additional new information provided by Alyeska in the March 18, 2002, applicability determination request, a May 14, 2003, follow-up meeting with the Office of Air Quality Planning and Standards, and Alyeska's followup letter of July 18, 2003, it now appears, however, that the "turbines" referred to in Alyeska's December 18, 2001, letter, are not in fact turbines, but instead are the Avon Gas Component of the Mainline Unit Package. Therefore, as discussed above, EPA believes that the relevant inquiry is on what date the Mainline Unit Package "commenced construction," not the date that the Avon Gas Component "commenced construction."

In addition to providing cost information for rim cooling projects, Alyeska's July 18, 2003, letter expressed concern that, if EPA determined that the Mainline Unit Package is the affected facility under subpart GG, then EPA would have to reconsider the applicability determination issued by EPA to Alyeska on August 1, 2002 (Control Number 0300006), as well as letters EPA wrote to Alyeska on October 16 and 30, 1997. As discussed above, EPA's applicability determination dated August 1, 2002 was issued based on incomplete information and is superseded by this letter. The EPA letters dated October 16 and 30, 1997 respond to requests for alternative monitoring and emission test waivers, and do not address what constitutes the affected facility for purposes of NSPS subpart GG.

Rotation of the Avon Gas Component

Based on the information provided by Alyeska in its letter of March 18, 2000, and the meeting on May 14, 2003, Alyeska has numerous Avon Gas Components that it rotates in and out of service among the Mainline Unit Packages. In other words, the Avon Gas Components are removed from their operating locations at Mainline Unit Packages periodically for maintenance and an Avon Gas Component from the TAPS inventory of the same component family is substituted as a replacement. The Cooper Bessemer Component and the pump powered by the Mainline Unit Package remains in place. Alyeska has not indicated that there would be an change in emissions as a result of the rotation of the Avon Gas Components. If, however, Alyeska finds that the rotation of an Avon Gas Component results in an increase in emissions from a Mainline Unit Package, Alyeska must review the replacement to determine if the Mainline Unit Package is subject to Subpart GG pursuant to the modification provisions. Alyeska must also review the rotation of the Avon Gas Components to determine whether the replacement of an Avon Gas Component exceeds 50% of the fixed capital cost of the Mainline Unit Package which would constitute a "reconstruction" under 40 CFR 60.15.

Addition of Rim Cooling Mechanism

As discussed above, Alyeska has installed "rim cooling" at some of the Mainline Unit Packages and desires to do the same at other Pump Station locations. Whether the installation of rim cooling triggers applicability of NSPS Subpart GG depends on whether it constitutes a "modification," as defined in 40 CFR 60.2 and 60.14, of a stationary gas turbine that occurred after October 3, 1977. A modification is defined as "any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted to the atmosphere by that facility or which results in the emissions of any air pollutant (to which a standard applies) into the atmosphere not previously emitted." Based on information provided by Alyeska in its letter of March 18, 2002, rim cooling allows a Mainline Unit Package to increase production capacity from 7500 rpm to 7900 rpm. Alyeska's March 18, 2002, request states that the addition of rim cooling to one turbine unit increased emissions at Pump Station 12, and that the facility's air permit was modified to account for and to limit the emissions increase from that and other turbine units to no more than 39 tons/yr of NOx to avoid triggering PSD. During the May 14, 2003, follow-up meeting, Alyeska also indicated that there is an increase in the emissions to the atmosphere as a result of the increase in production capacity.

Under 40 CFR 60.14(e)(2), however, an increase in the production rate of an existing facility shall not, by itself, be considered a modification "...if that increase can be accomplished without a capital expenditure on that facility." Based on preliminary information submitted to EPA during a site visit on June 25, 2003, and in your July 18, 2003 letter, we believe that the addition of rim cooling may have resulted in a capital expenditure as defined in 40 CFR Section 60.2. If Alyeska believes that the addition of rim cooling did not result in a "capital expenditure," as defined in 40 CFR 60.2, please

submit the documentation supporting that determination to EPA for review.

If the addition of rim cooling did result in a "capital expenditure," then the addition of rim cooling to a Mainline Unit Package would be a modification. All Mainline Unit Packages modified with rim cooling after October 3, 1977, would be subject to NSPS Subpart GG. Applicability of the NSPS Subpart GG requirements to the Mainline Unit Packages would not be affected by the rotation of the Avon Gas Components.

Please note that this applicability determination is limited to the information provided in the March 18, 2001, applicability determination request as well as at the meeting of May 14, 2003, our site visit on June 25, 2003, and Alyeska's July 18, 2003, letter. Any additional information made available to EPA or any changes made to the turbine operations from that described in the March 18, 2002 applicability determination request, may cause this determination to no longer be valid. Please also note that the responses in this letter are limited to questions presented under NSPS Subparts A and GG. Other CAA requirements may apply to these kinds of changes, such as major New Source Review or Prevention of Significant Deterioration.

As you know, in preparing this response, Region 10 worked closely with the Office of Enforcement and Compliance (OECA), as well as the Office of Air Quality Planning and Standards (OAQPS). If you have any further questions or concerns, please feel free to John Pavitt of the Region 10 Alaska Operations Office staff, at (907) 271-3688. Mr. Pavitt will coordinate with OECA and OAQPS on EPA's behalf in responding to your questions and concerns.

Sincerely,

Jeff KenKnight, Unit Manager
Federal And Delegated Air Programs Unit Office of Air Quality

cc: John Pavitt, EPA Region 10, Office of Air Quality John Kuterbach, ADEC, Juneau bcc: Julie Vergeront, EPA Region 10, Office of Regional Counsel Mamie Miller, Office of Compliance Sims Roy, Office of Air Quality Planning and Standards Rich Biondi, Office of Regulatory Enforcement Andrew Gordon, Office of General Counsel

From: Carolyn Maus
Sent: Thursday, December 19, 2024 3:41 PM
To: larry.moon@powereng.com
Cc: Raza Amjad; Amy Wolf
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Hi Larry,

For now I can grant a two-week extension to January 24, 2025. (We are limited in the amount of extensions we can grant right away due to our management wanting to keep our projects on schedule to avoid backlog.) If we get closer to that date and more time is needed, we can discuss another extension.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1300



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From: larry.moon@powereng.com <larry.moon@powereng.com>
Sent: Thursday, December 19, 2024 1:22 PM
To: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Cc: Raza Amjad <Raza.Amjad@calpine.com>; Amy Wolf <amy.wolf@calpine.com>
Subject: RE: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

Carolyn,

Thank you for the quick review on this application. With the holidays coming up, Calpine would like to get an extension for reviewing the draft permit and responding to the Unresolved Items List until January 31, 2025. Please let us know if that will work.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

From: Cheryl Hess <Cheryl.Hess@calpine.com>
Sent: Monday, December 16, 2024 7:02 PM
To: Carolyn Maus; Raza Amjad
Cc: Raymond Dube
Subject: RE: Working Draft Permit Review -- FOP 04649/Project 36697, FPEC, LLC

Thanks Carolyn,

Raza will review and respond as requested.

Regards,

Cheryl

From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Monday, December 16, 2024 6:53 PM
To: Cheryl Hess <Cheryl.Hess@calpine.com>; Raza Amjad <Raza.Amjad@calpine.com>
Subject: FW: Working Draft Permit Review -- FOP 04649/Project 36697, FPEC, LLC

Good afternoon,

I just got Amy Wolf's auto-reply about being on maternity leave so I am forwarding this email to you all as well. I wanted to make sure that Calpine staff were aware this working draft permit has been sent for your comment.

Sincerely,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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From: Carolyn Maus
Sent: Monday, December 16, 2024 5:48 PM
To: Amy Wolf <amy.wolf@calpine.com>
Cc: larry.moon@powereng.com
Subject: Working Draft Permit Review -- FOP 04649/Project 36697, FPEC, LLC

Hi Amy,

I have conducted a technical review of the initial application for FPEC, LLC, FPEC site. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP

From: Amy Wolf <Amy.Wolf@calpine.com>
Sent: Monday, December 16, 2024 5:48 PM
To: Carolyn Maus
Subject: Automatic reply: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC

I am currently on maternity leave. Please contact Cheryl Hess or Raza Amjad in my absence.

Cheryl.Hess@calpine.com

Raza.Amjad@calpine.com

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From: Carolyn Maus
Sent: Monday, December 16, 2024 5:48 PM
To: Amy Wolf
Cc: larry.moon@powereng.com
Subject: Working Draft Permit Review -- FOP O4649/Project 36697, FPEC, LLC
Attachments: WDP O4649.docx; Major NSR Summary Table - NSR-PSD MAERT.docx; Major NSR Summary Table - GHG PSD MAERT.docx; Unresolved Items O4649 Project 36697.docx

Hi Amy,

I have conducted a technical review of the initial application for FPEC, LLC, FPEC site. An electronic copy of the Working Draft Permit (WDP) is attached 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 on the working draft permit by **Friday, January 10, 2025**. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. **In addition please address the items on the attached Unresolved Items list with that response.**

Please review the second portion of 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 WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application information, including application updates supporting the WDP comments, is required. 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 was not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1.

Please notify me when these updates have been submitted.

As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6

at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This submittal information can be found on our website at [Where to Submit FOP Applications and Permit-Related Documents](#).

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,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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Unresolved Items:

1. OP-REQ1:
 - a. We just released a new OP-REQ1 version this fall. Most of the changes do not impact this site. However, in section XI.J there is now a new question #5. I believe this will be No, but please provide the page to confirm (please transfer your existing answers to any other questions on this page so the page is complete).
 - b. In section XII.E, please correct the pollutant for GHGPSDTX233 to GHG and provide the updated page. (I understand the units are in CO₂-equivalents, but for the purpose of this form we just use GHG for greenhouse gases, per the instructions.)
2. OP-SUM:
 - a. Since the NSR permit includes a separate MAERT table for GHGPSDTX233, that distinguishes which units are authorized by that portion. Therefore, for the tanks that are not included on that MAERT (EGTank, Stack5LOVT, Stack6LOVT), I was able to only list the other two permit numbers (173582 and PSDTX1626) as their preconstruction authorizations. The rest of the units will have all three numbers. To confirm this is acceptable, please update the OP-SUM to remove the GHG PSD number from the three tank rows.
 - b. For the units are only on the OP-PBRSUP and have no other OP-UA or OP-REQ2 data, they do not need to be listed on the OP-SUM and will not be in the permit. This would be units on page 2 of your OP-SUM – WELD through WWASTE. Please update the OP-SUM to remove these rows so the permit file will be clear.
3. For NSPS TTTT (Table 7a of OP-UA11), each unit needs only one SOP Index No. because there is no change in the unit attribute answers on the form. Please remove 60TTTT-2 for CTG5 and CTG6.
4. In recent years we have been trying to eliminate unnecessary permit shields. This reduces review time and makes the permit more useable. This also focuses the permit shields on rules that are truly potentially applicable. Permit shields that are based on geographical location are unnecessary because there is no operational change the site could make for the rule to become applicable. Therefore, I did not grant the permit shields for Chapter 117, Subchapter B; Chapter 115, HRVOC Vent Gas; Chapter 115, Vent Gas Controls; and Chapter 115, Storage of VOCs. Please submit an updated OP-REQ2 with these shields removed to confirm that this is acceptable.
5. I granted the permit shield requests for NSPS GG with a slight wording adjustment, but the citation was missing. I believe it will be 60.4305(b) because that is the citation (from NSPS KKKK) that addresses the overlap between the two rules. Please update the OP-REQ2 to include this as confirmation.
6. I granted the permit shield requests for NSPS TTTTa but adjusted the wording just to refer to the construction date threshold from the citation 60.5509a. The extra information you provided is helpful context for the file and for me to confirm the units qualify for the shield, but it does not need to be in the permit shield itself. Please confirm my wording is acceptable by updating the OP-REQ2. Also, could you provide a copy of the EPA Alyeska Pipeline Memo you mentioned? I'd like to include that in the file but was unable to locate it online.
7. I have created the Major NSR Summary Tables for NSR 173582/PSDTX1626/GHGPSDTX233 based on the 6/12/2024 issuance. Those are attached as separate documents. I will add to the permit after the tables are filled out. There is one table for each separate MAERT. The left side of each table comes directly from the MAERT and thus cannot be changed. Please add the NSR special condition numbers to the right three columns that contain any monitoring, testing, recordkeeping, or reporting requirements that are relevant for each EPN. (Or, if that information is found in an NSR application instead, then that should be cited.) Please review the instructions for this table, [Major NSR Summary Table – Instructions](#) before filling it out. They explain the formatting to use, how to determine which terms to add for each category, and how to cite application pages if needed.

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Stack5	Combustion Turbine 5 Stack	NO _x	74.00	144.90			
		CO	44.31	282.95			
		VOC	5.50	41.10			
		PM	7.10	13.49			
		PM ₁₀	7.10	13.49			
		PM _{2.5}	7.10	13.49			
		SO ₂	3.36	6.38			
		H ₂ SO ₄	0.26	0.49			
Stack6	Combustion Turbine 6 Stack	NO _x	74.00	144.90			
		CO	44.31	282.95			
		VOC	5.50	41.10			
		PM	7.10	13.49			
		PM ₁₀	7.10	13.49			
		PM _{2.5}	7.10	13.49			
		SO ₂	3.36	6.38			
		H ₂ SO ₄	0.26	0.49			
Stack5MSS		NO _x	45.57	-			

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Combustion Turbine 5 Stack - MSS	CO	514.57	-			
		VOC	91.86	-			
Stack6MSS	Combustion Turbine 6 Stack - MSS	NO _x	45.57	-			
		CO	514.57	-			
		VOC	91.86	-			
EMGEN	Emergency Generator	NO _x	26.39	1.33			
		CO	2.41	0.12			
		VOC	0.63	0.03			
		PM	0.29	0.01			
		PM ₁₀	0.29	0.01			
		PM _{2.5}	0.29	0.01			
		SO ₂	0.02	<0.01			
FUGMSS	Misc. Fugitive Emissions	NO _x	<0.01	<0.01			
		CO	<0.01	<0.01			
		VOC	3.49	0.02			
		PM	0.01	<0.01			
		PM ₁₀	<0.01	<0.01			

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	<0.01	<0.01			
Stack5TWON	Combustion Turbine 5 Stack-Turbine Washing Online	PM	0.05	0.01			
		PM ₁₀	0.05	0.01			
		PM _{2.5}	0.05	0.01			
Stack6TWON	Combustion Turbine 6 Stack-Turbine Washing Online	PM	0.05	0.01			
		PM ₁₀	0.05	0.01			
		PM _{2.5}	0.05	0.01			
Stack5TWOF	Combustion Turbine 5 Stack-Turbine Washing Offline	VOC	0.02	<0.01			
Stack6TWOF	Combustion Turbine 6 Stack-Turbine Washing Offline	VOC	0.02	<0.01			
Stack5LOV	Combustion Turbine 5 Stack - Lube Oil Vent	VOC	0.06	0.26			
		PM	0.06	0.26			
		PM ₁₀	0.06	0.26			
		PM _{2.5}	0.06	0.26			
Stack6LOV	Combustion Turbine 6 Stack - Lube Oil Vent	VOC	0.06	0.26			
		PM	0.06	0.26			
		PM ₁₀	0.06	0.26			

Major NSR Summary Table

Permit Numbers 173582 and PSDTX1626					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	0.06	0.26			
NGPipeLeak	Natural Gas piping component fugitive leaks (5)	VOC	0.01	0.04			
EGTank	Emergency Generator - Tank	VOC	0.27	<0.01			
Stack5LOVT	Combustion Turbine 5 Stack - Lube oil storage tank	VOC	0.25	<0.01			
Stack6LOVT	Combustion Turbine 6 Stack - Lube oil storage tank	VOC	0.25	<0.01			
All	All Sources at the Site	Individual HAPs	-	<10.00			
		Total HAPs	-	<25.00			

(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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - 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

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

(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.

Major NSR Summary Table

Permit Number GHGPSDTX233					Issuance Date: June 12, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Stack5	Combustion Turbine 5 Stack	CO ₂ (5)		501,711.30			
		CH ₄ (5)		0.95			
		N ₂ O (5)		9.46			
		CO ₂ e		502,229.46			
Stack6	Combustion Turbine 6 Stack	CO ₂ (5)		501,711.30			
		CH ₄ (5)		0.95			
		N ₂ O (5)		9.46			
		CO ₂ e		502,229.46			
EMGEN	Emergency Generator	CO ₂ (5)		115.29			
		CH ₄ (5)		<0.01			
		N ₂ O (5)		<0.01			
		CO ₂ e		115.68			
NGPipeLeak	Natural Gas piping component fugitive leaks	CO ₂ (5)		0.01			
		CH ₄ (5)		0.42			
		CO ₂ e		10.49			
CirBreak1 through CirBreak6	Circuit Breaker 1 through 6	SF ₆ (5)		<0.01			
		CO ₂ e		68.97			

- (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)

CO ₂	-	carbon dioxide
N ₂ O	-	nitrous oxide
CH ₄	-	methane
SF ₆	-	sulfur hexafluoride
CO ₂ e	-	carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO ₂ (1), N ₂ O (298), CH ₄ (25), SF ₆ (22,800)		
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

From: Carolyn Thomas
Sent: Wednesday, September 11, 2024 9:15 AM
To: Carolyn Maus
Subject: FW: TCEQ Notice - Permit Number O4649
Attachments: TCEQ Notice - O4649_36697.pdf

From: eNotice TCEQ <enotice@tceq.texas.gov>
Sent: Wednesday, September 11, 2024 9:15 AM
To: Charles.schwertner@senate.texas.gov; angelia.orr@house.texas.gov
Subject: TCEQ Notice - Permit Number O4649

This email is being sent to electronically transmit an official document issued by the Office of Air of the Texas Commission on Environmental Quality.

This email is being sent to you because either (a) you filed a document with the Office of the Chief Clerk that made you part of the official mailing list for the above referenced matter, or (b) notice to you is legally required. As authorized by Texas Water Code 5.128, this electronic transmittal is replacing the previous practice of hard copy distribution. Amendments to Texas Government Code 552.137 prompted a change to the agency's privacy policy regarding confidentiality of certain email addresses. The revised privacy policy can be viewed at http://www.tceq.state.tx.us/help/policies/electronic_info_policy.html.

Questions regarding this email may be submitted either by replying directly to this email or by calling Mr. Jesse Chacon, P.E. with the Air Permits Division at (512) 239-5759.

The attached document is provided in an Adobe Acrobat .pdf format. If you cannot display the attachment, you may need to visit the Adobe web site (<http://get.adobe.com/reader>) to download the free Adobe Acrobat Reader software.

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 11, 2024

THE HONORABLE CHARLES SCHWERTNER
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Initial Issuance Application
Project Number: 36697
Permit Number: O4649
FPEC, LLC
Fpec
Fairfield, Freestone County
Regulated Entity Number: RN111788618
Customer Reference Number: CN606169704

Dear Senator Schwertner:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) initial issuance application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. 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 application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.111388,31.893611&level=13>.

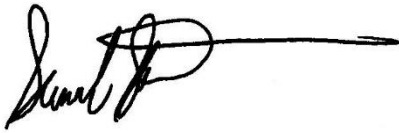
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site. The FOP identifies and codifies air emission requirements (known as applicable requirements) that apply to the emission units at the site. The FOP does not authorize construction of emission units or emissions from those units. The New Source Review (NSR) permit is the mechanism for these authorizations.

The Honorable Charles Schwertner
Page 2
September 11, 2024

Re: Accepted Federal Operating Permit Initial Issuance Application

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

A handwritten signature in black ink, appearing to read 'Samuel Short', followed by a long horizontal line extending to the right.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 11, 2024

THE HONORABLE ANGELIA ORR
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Initial Issuance Application
Project Number: 36697
Permit Number: O4649
FPEC, LLC
Fpec
Fairfield, Freestone County
Regulated Entity Number: RN111788618
Customer Reference Number: CN606169704

Dear Representative Orr:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) initial issuance application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. 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 application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.111388,31.893611&level=13>.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site.

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	FPEC
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Fpec, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EH&S
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
Prefix	MR
First	Raza
Middle	
Last	Amjad
Suffix	
Credentials	
Title	Project Manager III
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	7135704653
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Raza.Amjad@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 26 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 43 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	Yes
3.2. Select the permit/project number for which this update should be applied.	4649-36697
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

Attach OP-1 (Site Information Summary)

Attach OP-ACPS (Application Compliance Plan and Schedule)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	2024-0905 Full TV Application - signed.pdf
Hash	89E59DE3F6CCCABEA7281C78760D3C4CA45D4E2630C4F7A98D92CE5C00AB24C0
MIME-Type	application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	139.138.141.214
Signature Date:	2024-09-05
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3
Form Hash Code at time of Signature:	EAA3DD4C8845A439C0FDC837CE4D745437ACFE80C75C0FFFEF7B104920629C83

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.

3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
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7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
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9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	139.138.141.214
Signature Date:	2024-09-05
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3
Form Hash Code at time of Signature:	EAA3DD4C8845A439C0FDC837CE4D745437ACFE80C75C0FFFEF7B104920629C83

Submission

Reference Number:	The application reference number is 676450
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2024-09-05 at 16:04:50 CDT
Submitted From:	The application was submitted from IP address 139.138.141.214
Confirmation Number:	The confirmation number is 561712
Steers Version:	The STEERS version is 6.82

Additional Information

Application Creator: This account was created by Analyssa E Hernandez



Calpine Corporation

September 5, 2024

Air Permits Initial Review Team (APIRT), MC 161
Texas Commission on Environmental Quality
12100 Park 35 Circle
Building C, Third Floor, Room 300W
Austin, TX 78753

via electronic delivery

Re: Initial Title V SOP Application
FPEC, LLC
Fairfield, Freestone County, Texas
Regulated Entity No. RN111788618
Customer No. CN606169704

Dear APIRT:

FPEC, LLC, hereby submits the enclosed full application for an initial Title V Federal Operating Permit for two natural gas fired simple cycle combustion turbine generators being authorized by pending NSR Permit No. 173582/PSDTX1626/GHGPSDTX233.

An abbreviated application was submitted to the TCEQ Air Permits Division on June 3, 2024. The enclosed full application for SOP No. 4649 is being submitted at this time, which meets all requirements for initial SOP application as per 30 TAC Chapter 122.

If you have any questions, please contact me at 713-570-4653 or Raza.Amjad@calpine.com, or Mr. Larry Moon at 512-879-6619 or larry.moon@powereng.com.

Sincerely,

Raza Amjad
Project Manager III

Attachments

c: Mr. Jason Neumann, Air and Waste Section Manager, TCEQ Region 9, Waco, w/attachment
Mr. Larry Moon, POWER Engineers, w/attachment via email
EPA Region 6 Title V Permitting Contact (via email: R6AirPermitsTX@epa.gov), w/attachment via email

September 2024

INITIAL APPLICATION TITLE V FEDERAL OPERATING PERMIT 04649

*FPEC, LLC
FPEC
Fairfield, Freestone County*

*Customer Reference No. CN606169704
Regulated Entity No. RN111788618*

Submitted To:
*Texas Commission on Environmental Quality
Air Division
12100 Park 35 Circle
Austin, Texas 78753*

PROJECT NUMBER:
0246392



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2.0 PROCESS DESCRIPTION

3.0 TITLE V APPLICATION FORMS

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FORM OP-CRO1

FORM OP-MON

FORM OP-REQ1

FORM OP-REQ2

FORM OP-SUM

FORM OP-PBRSUP

FORM OP-UA2

FORM OP-UA3

FORM OP-UA11

FORM OP-UA15

1.0 INTRODUCTION

FPEC, LLC (FPEC) owns and operates two natural gas-fired simple cycle combustion turbines (SCCT) and one emergency generator. The facility is located in Freestone County, Texas. The facility is currently authorized under Permit Nos. 173582, PSDTX1626, and GHGPSDTX233.

FPEC submitted an abbreviated application on June 3, 2024. FPEC is submitting the following full application for the initial Federal Operating Permit (FOP) No. O4649, which meets all requirements for initial SOP application as per 30 TAC Chapter 122.

The following documentation is provided with this application: all required TCEQ FOP initial application forms, including forms addressing application certification, administrative information, site-wide applicability information, and unit attribute information.

2.0 PROCESS DESCRIPTION

The FPEC consists of two natural gas-fired simple cycle combustion turbines (SCCT) and one emergency generator. The power block will have the potential to generate a nominal 442 MW (221 MW per turbine) of electricity.

Combustion turbines (CTs) are heat engines that convert latent fuel energy into work using compressed hot gas as the working medium. CTs deliver mechanical output by means of a rotating shaft used to drive an electrical generator, thereby converting a portion of the engine's mechanical output to electrical energy.

Ambient air is first filtered and then compressed by the CT compressor. The CT compressor increases the pressure of the combustion air stream and also raises its temperature. During warm days (typically 60 degrees Fahrenheit [°F] or greater), the CT inlet ambient air can be cooled by evaporative cooling, thus providing denser air for combustion and improving the power output.

The compressed combustion air is then combined with the natural gas fuel and burned in the CT's high-pressure combustor to produce hot exhaust gases. When necessary to prevent condensation in the natural gas fuel piping, the temperature of the fuel will be raised by the use of an electric dew point. Post combustion, these high-pressure, hot gases expand through the turbine section and turn the CT to produce rotary shaft power, which is used to drive an electric generator as well as the CT air compressor. The CT exhaust gases will be discharged to the atmosphere through a stack after passing through the CT.

3.0 TITLE V APPLICATION FORMS

LIST OF FORMS IN ORDER OF ATTACHMENT

**FORM OP-1
FORM AR-1
CERTIFICATE OF REPRESENTATION
FORM OP-ACPS
FORM OP-CRO1
FORM OP-MON
FORM OP-REQ1
FORM OP-REQ2
FORM OP-SUM
FORM OP-PBRSUP
FORM OP-UA2
FORM OP-UA3
FORM OP-UA11
FORM OP-UA15**

FORM OP-1

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

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or 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: FPEC, LLC
B. Customer Reference Number (CN): CN606169704
C. Submittal Date (mm/dd/yyyy): 09/05/2024
II. Site Information
A. Site Name: FPEC, LLC
B. Regulated Entity Reference Number (RN): RN111788618
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/> AR <input type="checkbox"/> CO <input type="checkbox"/> KS <input type="checkbox"/> LA <input type="checkbox"/> NM <input type="checkbox"/> OK <input checked="" type="checkbox"/> N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO _x <input type="checkbox"/> SO ₂ <input checked="" type="checkbox"/> PM ₁₀ <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/> Site Operating Permit (SOP) <input type="checkbox"/> Temporary Operating Permit (TOP) <input type="checkbox"/> General Operating Permit (GOP)

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

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>
A. Is this submittal an abbreviated or a full application? <input type="checkbox"/> Abbreviated <input checked="" type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? <input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Has the required Public Involvement Plan been included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
RO Full Name: Robert Dewitt
RO Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389-1447
Fax No.:
Email: Robert.Dewitt@calpine.com

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Raza Amjad
Technical Contact Title: Project Manager III
Employer Name: Calpine Corporation
Mailing Address: 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 570-4653
Fax No.:
Email: raza.amjad@calpine.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Charles Schwertner, Texas Senate District 5
B. State Representative: Angelia Orr, Texas House District 13
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

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

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: FPEC, LLC
B. Physical Address: 1366 FM488 Unit 5
City: Fairfield
State: TX
ZIP Code: 75840
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (continued)
G. Latitude (nearest second): 31:53:37
H. Longitude (nearest second): 96:06:41
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? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
J. Indicate the estimated number of emission units in the application area: 8
K. Are there any emission units in the application area subject to the Acid Rain Program? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
XI. Public Notice (Complete this section for SOP Applications and Acid Rain Permit Applications only.)
A. Name of a public place to view application and draft permit: Fairfield Library Association Inc.
B. Physical Address: 350 W. Main St.
City: Fairfield
ZIP Code: 75840
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Brett Kerr
Contact Mailing Address: Calpine Corporation, 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 830-8809

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality**

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
DR Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name: Robert Dewitt
DR Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389 - 1447
Fax No.:
Email: Robert.Dewitt@calpine.com

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality**

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.

XIV. Alternate Designated Representative (ADR) Identifying Information

ADR Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)

ADR Full Name: Jaron Bergin

ADR Title: Director, Regional EH&S

Employer Name: Calpine Corporation

Mailing Address: 717 Texas Ave, Suite 1000

City: Houston

State: TX

ZIP Code: 77002

Territory:

Country: USA

Foreign Postal Code:

Internal Mail Code:

Telephone No.: (713) 332-5164

Fax No.:

Email: Jaron.Bergin@calpine.com

FORM AR-1



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

Date: 09/05/2024	Permit Name: FPEC	ORIS Code: 67500
Account No.:	RN: RN111788618	CN: CN606169704
AIRS No.:	FINDS No.:	Submission: New <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Renewal <input type="checkbox"/>

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
CTG-5	CTG-5	Yes	NO	05-01-2026	10-28-2026
CTG-6	CTG-6	Yes	NO	05-01-2026	10-28-2026
		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).

CERTIFICATE OF REPRESENTATION



Certificate of Representation

See instructions and 40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, and 97.916, 97.1016, or a comparable state regulation, as applicable. Note that the designated representative identified on this form is also the certifying official responsible for making related submissions for the identified unit(s), under additional programs, as indicated in the instructions.

This submission is: ☒ New

☐ Revised (revised submissions must be complete; see instructions)

STEP 1
Provide
information
for the plant

FPEC, LLC	TX	67500
Plant Name	State	Plant Code
Freestone County		
County Name		
31:53:37	96:06:41	
Latitude	Longitude	

STEP 2
Enter
requested
information
for the
designated
representative

Robert Dewitt	Plant Manager		
Name	Title		
Calpine Corporation			
Company Name			
717 Texas St. Suite 1000	Houston	TX	77002
Mailing Address	City	State	Zip Code
(903)389-1447			
Phone Number	Fax Number		
Robert.Dewitt@calpine.com			
Email Address			

STEP 3
Enter
requested
information
for the
alternate
designated
representative

Jaron Bergin	Director, Regional EH&S		
Name	Title		
Calpine Corporation			
Company Name			
717 Texas Ave Suite 1000	Houston	TX	77002
Mailing Address	City	State	Zip Code
(713) 332-5164			
Phone Number	Fax Number		
Jaron.Bergin@calpine.com			
Email Address			

UNIT INFORMATION

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 ☐ CSAPR SO₂ Group 2 ☐ Texas SO₂ ☐ CSAPR NO_x Ozone Season Group 1 ☒ CSAPR NO_x Ozone Season Group 2 ☐ CSAPR NO_x Ozone Season Group 3

Additional Program(s): ☒ GHG NSPS ☐ MATS ☐ NO_x SIP Call

Unit ID# CTG-5	Unit Type CT	Source Category Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112	CTG-5	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): May 2026		Is this unit located in Indian country? Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Company Name: FPEC, LLC				<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

UNIT INFORMATION

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

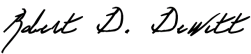

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 ☐ CSAPR SO₂ Group 2 ☐ Texas SO₂ ☐ CSAPR NO_x Ozone Season Group 1 ☒ CSAPR NO_x Ozone Season Group 2 ☐ CSAPR NO_x Ozone Season Group 3

Additional Program(s): ☒ GHG NSPS ☐ MATS ☐ NO_x SIP Call

Unit ID# CTG-6	Unit Type CT	Source Category Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112	CTG-6	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): May 2026		Is this unit located in Indian country? Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Company Name: FPEC, LLC				<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

General

I 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 and information 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.

<div>DocuSigned by:  5BBAAE7F7A0142E...</div> <div>Signature (Designated Representative)</div>	<div>5/22/2024 9:39 AM CDT</div> <div>Date</div>
<div>DocuSigned by:  9C82C4189207483...</div> <div>Signature (Alternate Designated Representative)</div>	<div>5/22/2024 9:39 AM CDT</div> <div>Date</div>



Instructions for the Certificate of Representation

NOTE: The Certificate of Representation information can be submitted online through the CAMD Business System (CBS), which can be accessed at <https://camd.epa.gov/CBS/login/auth>. See the Certificate of Representation section of the Help File in CBS for assistance. If you have questions about CBS, send an email to cbs-support@camdsupport.com.

You must have a username and password to access CBS. You can obtain a username and password if:

(1) you are currently listed in the CAMD database as a designated representative or an agent for a designated representative, **AND** (2) CAMD has received and processed a hard copy of the Electronic Signature Agreement at found on the [Business Center Forms](#) page. Once a person's Electronic Signature Agreement is processed, they will receive instructions to obtain a username and password.

Please type or print. Submit a separate page 2 for each unit at the plant (source) subject to the Acid Rain Program (ARP), a Cross-State Air Pollution Rule (CSAPR) trading program, or the Texas SO₂ Trading Program (TXSO₂). Include units for which a Retired Unit Exemption notice has been submitted. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the upper right-hand corner of page 2. **A Certificate of Representation amending an earlier submission supersedes the earlier submission in its entirety and must therefore always be complete.** Submit one Certificate of Representation form with original signature(s). NO FIELDS SHOULD BE LEFT BLANK.

Note that because all emissions and monitoring plan data submitted (or resubmitted) through to EPA's Emissions Collection and Monitoring Plan System (ECMPS) for a unit for a given time period must be contained in one internally consistent datafile, the designated representative identified on this form is also the certifying official responsible for making submissions concerning the identified unit(s) where required by additional programs, including the Greenhouse Gas New Source Performance Standards program under 40 CFR part 60, subpart TTTT (NSPS4T), the Mercury and Air Toxics Standards program under 40 CFR part 63, subpart UUUUU (MATS), and state programs implementing the NO_x SIP Call under 40 CFR 51.121 (SIPNOX).

STEP 1

- (i) A plant code is a number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to plants that generate electricity. For older plants, "plant code" is synonymous with "ORISPL" and "facility" codes. If the plant generates electricity but no plant code has been assigned, or if there is uncertainty regarding what the plant code is, send an email to the EIA at EIA-860@eia.gov. For plants that do not produce electricity, use the plant identifier assigned by EPA (beginning with "88").
- (ii) Enter the latitude and longitude representing the location of the plant. Note that coordinates **MUST** be submitted in decimal degree format; in this format minutes and seconds are represented as a decimal fraction of one degree. Therefore, coordinates containing degrees, minutes, and seconds must first be converted using the formula:

$$\text{decimal degrees} = \text{degrees} + (\text{minutes} / 60) + (\text{seconds} / 3600)$$

Example: 39 degrees, 15 minutes, 25 seconds = $39 + (15 / 60) + (25 / 3600) = 39.2569$ degrees

STEPS 2 & 3

The designated representative and the alternate designated representative must be individuals (i.e., natural persons). Enter the associated company name and address of the representative as it should appear on all correspondence. Most correspondence will be emailed. **Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.**

There may be only one designated representative and one alternate designated representative for a plant.

STEP 4

- (i) Complete one page for each unit subject to the ARP, CSAPR, or TXSO₂ programs, and indicate the program(s) that the unit is subject to. Also indicate if the unit is subject to the MATS, NSPS4T, and/or SIPNOX programs. Identify each unit at the plant by providing the appropriate unit identification

number, consistent with the identifiers used in previously submitted Certificates of Representation (if applicable) and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each submission to EPA that includes the unit identification number(s) (e.g., monitoring plans and quarterly reports) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation. Do not identify units that are not subject to the above-listed programs but are part of a common monitoring configuration with a unit that is subject to any of these programs. To identify units in a common monitoring configuration that are not subject to any of these programs, call the CAMD Hotline at (202) 343-9620, and leave a message under the "Continuous Emissions Monitoring" submenu.

- (ii) Identify the type of unit using one of the following abbreviations:

<u>Boilers</u>		<u>Boilers</u>		<u>Turbines</u>	
AF	Arch-fired boiler	OB	Other boiler	CC	Combined cycle combustion turbine
BFB	Bubbling fluidized bed boiler	PFB	Pressurized fluidized bed boiler	CT	Simple cycle combustion turbine
C	Cyclone boiler	S	Stoker boiler	IGC	Integrated gasification combined cycle
CB	Cell burner boiler	T	Tangentially-fired boiler	<u>Other</u>	
CFB	Circulating fluidized bed boiler	WBF	Wet bottom wall-fired boiler		
DB	Dry bottom wall-fired boiler	WBT	Wet bottom turbo-fired boiler		ICE Internal combustion engine
DTF	Dry bottom turbo-fired boiler	WVF	Wet bottom vertically-fired boiler		KLN Cement kiln
DVF	Dry bottom vertically-fired boiler			PRH	Process heater

- (iii) Indicate the source category description that most accurately describes the purpose for which the unit is operated by entering one of the following terms.

- Electricity generation
- Useful thermal energy production (i.e., production of process heat and/or steam for uses other than electricity production)
- Cogeneration (i.e., both electricity generation and useful thermal energy production through the sequential use of energy)

- (iv) Provide the primary North American Industrial Classification System (NAICS) code that most accurately describes the business type for which the unit is operated. If unknown, go to <https://www.census.gov/eos/www/naics> for guidance on how to determine the proper NAICS code for the unit.

- (v) Enter the date the unit began (or will begin) serving any generator producing electricity for sale, including test generation. Enter this date and check the "actual" box for any unit that has begun to serve a generator producing electricity for sale as of the date of submission of this form. (This information should be provided even if the unit does not currently serve a generator producing electricity for sale.) For any unit that will begin, but has not begun as of the date of submission of this form, to serve a generator producing electricity for sale, estimate the future date on which the unit will begin to produce electricity for sale and check the "projected" box. When the actual date is established, revise the form accordingly by entering the actual date and checking the "actual" box. Enter "NA" if the unit has not ever served, is not currently serving, and is not projected to serve, a generator that produces electricity for sale.
- (vi) For a unit that, as of the date of submission of this form, serves one or more generators (whether or not the generator produces electricity for sale), enter the generator ID number(s) and the nameplate capacity (in MWe, rounded to the nearest tenth) of each generator served by the unit. A unit serves a generator if the unit produces, or is able to produce, steam, gas, or other heated medium for generating electricity at that generator. For combined cycle units, report separately the nameplate capacities of the generators associated with the combustion turbine and the steam turbine. Please ensure that the generator ID numbers entered are consistent with those reported to the EIA.

A nameplate capacity should be entered in the "Acid Rain" column for each generator served by a unit subject to the ARP, and a nameplate capacity should be entered in the "CSAPR / Texas SO₂ / Other" column for each generator served by a unit subject to any of the other programs indicated on the form (including units that are also subject to the ARP). The nameplate capacity entered in the "Acid Rain" column where a unit is listed in the National Allowance Database (NADB) should be the nameplate capacity as shown in the NADB. The nameplate capacity entered in the "Acid Rain" column where a unit is not listed in the NADB, and the nameplate capacity entered in the "CSAPR / Texas SO₂ / Other" column where a unit is subject to any programs other than the ARP, generally should be the higher of (i) the nameplate capacity as of the generator's initial installation or (ii) the nameplate capacity following physical changes that result in an increase in the maximum electrical generating output that the generator can produce on a steady-state basis when not restricted by seasonal or other deratings. To the extent consistent with the preceding sentences, use the nameplate capacity reported to EIA for each generator on Form EIA-860. Enter "NA" if, as of the date of submission of this form, the unit does not serve a generator.

For the full definitions of "nameplate capacity", see 40 CFR 72.2, 97.402, 97.502, 97.602, 97.702, 97.802, 97.902, and 97.1002 as applicable. The NADB is available at <https://www.epa.gov/airmarkets/clean-air-markets-allowance-markets#Allocated>.

Enter the company name of each owner and operator in the "Company Name" field. Indicate whether the company is the owner, operator, or both. For new units, if the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form when the operator has been selected within 30 days of the effective date of the selection. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change. You are strongly encouraged to use the CAMD Business System to provide updated information on owners and operators. See the Certificate of Representation section of the Help File found at the top right of any screen in CBS, including the homepage, for assistance.

- (vii) Indicate whether or not the unit is located in Indian country. "Indian country" generally includes all lands within any federal Indian reservation, all dependent Indian communities, and all Indian allotments for which the Indian titles have not been extinguished. For the full definition of "Indian country", see 18 U.S.C. § 1151.
- (viii) When identifying a unit at a plant for the first time, indicate whether or not the unit ever operated at another location. If the answer is "yes", EPA will contact the owners/operator for more information.

STEP 5

Read the applicable certification statements, sign, and date.

Mail the completed, signed form to **one** of the following addresses (**note the different zip codes**):

Regular or Certified mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
Mail Code 6204A
Washington, DC **20460**

Overnight mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
WJC South, 4th Floor, Room # 4153C
Washington, DC **20004**
(202) 564-8717

Submit this form prior to making any other submissions under the ARP, CSAPR, or TXSO₂ programs. Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. You are strongly encouraged to use the CAMD Business System to provide updated information. See the Certificate of Representation section of the Help File in CBS for assistance.

Paperwork Burden Estimate

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control Nos. 2060-0258 and 2060-0667). Responses to this collection of information are mandatory (40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, 97.916 and 97.1016). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 15 hours per response annually. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Certificate Of Completion

Envelope Id: 0D8D42C966A94E0FA8CC46AE214891D6
Subject: Complete with DocuSign: certificate_of_representation_FPEC_May2024.pdf
Source Envelope:
Document Pages: 8
Certificate Pages: 5
AutoNav: Enabled
Envelope Stamping: Disabled
Time Zone: (UTC-06:00) Central Time (US & Canada)

Status: Completed

Envelope Originator:
Amy Wolf
717 Texas Ave.
Houston, TX 77002
Amy.Wolf@calpine.com
IP Address: 204.209.130.5

Record Tracking

Status: Original
5/20/2024 2:44:58 PM

Holder: Amy Wolf
Amy.Wolf@calpine.com

Location: DocuSign

Signer Events

Jaron Bergin
Jaron.Bergin@calpine.com
EHS Director
Security Level: Email, Account Authentication (None)

Signature
DocuSigned by:

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Signature Adoption: Pre-selected Style
Using IP Address: 139.138.155.254

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Signed: 5/22/2024 9:39:36 AM

Electronic Record and Signature Disclosure:

Accepted: 5/22/2024 9:39:21 AM
ID: e0f9aa35-8b25-4356-982c-e73a6315d5ff

Robert D. DeWitt
robert.dewitt@calpine.com
Security Level: Email, Account Authentication (None)

Signature
DocuSigned by:

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Signature Adoption: Pre-selected Style
Using IP Address: 139.138.141.214

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In Person Signer Events

Editor Delivery Events

Agent Delivery Events

Intermediary Delivery Events

Certified Delivery Events

Carbon Copy Events

Witness Events

Notary Events

Envelope Summary Events

Envelope Sent
Certified Delivered

Hashed/Encrypted
Security Checked

5/20/2024 2:47:37 PM
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Envelope Summary Events	Status	Timestamps
Signing Complete	Security Checked	5/21/2024 7:56:12 AM
Completed	Security Checked	5/22/2024 9:39:36 AM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Calpine Corporation (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Calpine Corporation:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: gus.dahu@calpine.com

To advise Calpine Corporation of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at gus.dahu@calpine.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Calpine Corporation

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to gus.dahu@calpine.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Calpine Corporation

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to gus.dahu@calpine.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Calpine Corporation as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Calpine Corporation during the course of your relationship with Calpine Corporation.

FORM OP-ACPS

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

Date: 09/05/2024	Regulated Entity No.: RN111788618	Permit No.: O4649
Company Name: FPEC, LLC		Area Name: FPEC

- 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	
<p>The <i>Responsible Official</i> 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.</p>	
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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. <i>(For reference only)</i>	
<p><small>* 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.</small></p> <p><small>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.</small></p>	

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: RN111788618	CN: CN606169704	Account No.:
Permit No.: O4649	Project No.: 36697	
Area Name: FPEC, LLC	Company Name: FPEC, LLC	
II. Certification Type <i>(Please mark the appropriate box)</i>		
<input checked="" type="checkbox"/> Responsible Official	<input type="checkbox"/> Duly Authorized Representative	
III. Submittal Type <i>(Please mark the appropriate box) (Only one response can be accepted per form)</i>		
<input checked="" type="checkbox"/> SOP/TOP Initial Permit Application	<input type="checkbox"/> Update to Permit Application	
<input type="checkbox"/> GOP Initial Permit Application	<input type="checkbox"/> Permit Revision, Renewal, or Reopening	
<input type="checkbox"/> Other: _____		
IV. Certification of Truth		
<p>This certification does not extend to information which is designated by the TCEQ as information for reference only.</p> <p>I, <u>Robert Dewitt</u> certify that I am the <u>RO</u> <i>(Certifier Name printed or typed)</i> <i>(RO or DAR)</i></p> <p>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:</p> <p><i>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).</i></p> <p>Time Period: From _____ to _____ <i>Start Date</i><i>End Date</i></p> <p>Specific Dates: <u>09/05/2024</u> <i>Date 1</i><i>Date 2</i><i>Date 3</i><i>Date 4</i><i>Date 5</i><i>Date 6</i></p>		
Signature: <u></u>		Signature Date: <u>9/5/2024</u>
Title: <u>Plant Manager</u>		

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: RN111788618		CN: CN606169704		Account No:	
Permit No.: O4649			Project No.: 36697		
Area Name: FPEC, LLC			Company Name: FPEC, LLC		
II. Certification Type <i>(Please mark the appropriate box)</i>					
<input checked="" type="checkbox"/> Designated Representative			<input type="checkbox"/> Alternated Designated Representative		
III. Requirement and Submittal Type <i>(Please mark the appropriate box for each column)</i>					
Requirement: <input checked="" type="checkbox"/> Acid Rain Permit <input checked="" type="checkbox"/> CSAPR					
Submittal Type: <input checked="" type="checkbox"/> Initial Permit Application		<input type="checkbox"/> Update to Permit Application			
<input type="checkbox"/> Permit Revision or Renewal		<input type="checkbox"/> Other: _____			
IV. Certification of Truth					
<p>I, <u>Robert Dewitt</u>, the <u>DR</u> <i>(Name printed or typed)</i> <i>(DR or ADR)</i></p> <p>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:</p> <p><i>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).</i></p> <p>Time Period: From _____ to _____ <i>Start Date</i> <i>End Date</i></p> <p>Specific Dates: <u>09/05/2024</u> _____ <i>Date 1</i> <i>Date 2</i> <i>Date 3</i> <i>Date 4</i> <i>Date 5</i> <i>Date 6</i></p> <p>Signature: <u></u> Signature Date: <u>9/5/2024</u></p> <p>Title: <u>Plant Manager</u></p>					

FORM OP-MON

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

I. Identifying Information		
Account No.:	RN No.: RN111788618	CN: CN606169704
Permit No.: O4649	Project No.: 36697	
Area Name: FPEC		
Company Name: FPEC LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: Stack5, Stack 6		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111		
Pollutant: Opacity		
Main Standard: §111.111(a)(1)(C)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM P-030		
Deviation Limit: Fire pipeline-quality natural gas		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

FORM OP-REQ1

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

Date:	09/05/2024
Permit No.:	O4649
RN No.:	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

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

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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The application area includes stationary vents constructed after January 31, 1972. <i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.</i> <i>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.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. All stationary vents are addressed on a unit specific basis.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	6. The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	8. Emissions from units in the application area include contributions from uncombined water.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

Texas Commission on Environmental Quality
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Federal Operating Permit Program

Date:	09/05/2024
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RN No.:	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

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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.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	b. The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	c. The application area is located in the portion of Harris County inside the loop formed by Beltway 8.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>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.</i>	
2. Items a - d determine the specific applicability of these requirements.	
◆	a. The application area is subject to 30 TAC § 111.143.
	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	b. The application area is subject to 30 TAC § 111.145.
	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	c. The application area is subject to 30 TAC § 111.147.
	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	d. The application area is subject to 30 TAC § 111.149.
	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. Emissions Limits on Nonagricultural Processes	
◆	1. The application area includes a nonagricultural process subject to 30 TAC § 111.151.
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	2. The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	<i>If the response to Question I.C.2 is "NO," go to Question I.C.4.</i>
	3. All vents from nonagricultural process in the application area are subject to additional monitoring requirements.
	<input type="checkbox"/> YES <input type="checkbox"/> NO

Texas Commission on Environmental Quality
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For SOP applications, answer ALL questions unless otherwise directed.

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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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.5 is "NO," go to Question I.C.7.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.8 is "NO," go to Section I.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Emissions Limits on Agricultural Processes		
1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
E. Outdoor Burning		
◆ 1.	Outdoor burning is conducted in the application area. <i>If the response to Question I.E.1 is "NO," go to Section II.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	<input type="checkbox"/> YES <input type="checkbox"/> NO

Texas Commission on Environmental Quality
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Form OP-REQ1
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Date:	09/05/2024
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For SOP applications, answer ALL questions unless otherwise directed.

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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. <input type="checkbox"/> YES <input type="checkbox"/> NO
◆	6. Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213. <input type="checkbox"/> YES <input type="checkbox"/> NO
◆	7. The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215. <input type="checkbox"/> YES <input type="checkbox"/> 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. <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.</i> <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Texas Commission on Environmental Quality
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For SOP applications, answer ALL questions unless otherwise directed.

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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. <i>If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
2. The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question III.C.3 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question III.C.4 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Loading and Unloading of VOCs	
◆ 1. The application area includes VOC loading operations.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The application area includes VOC transport vessel unloading operations. <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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For SOP applications, answer ALL questions unless otherwise directed.

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

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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question III.E.1 is "NO," go to Section III.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area is located in a covered attainment county as defined in 30 TAC § 115.10. <i>If the response to Question III.E.4 is "NO," go to Question III.E.9.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 5. Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question III.E.7 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

Date:	09/05/2024
Permit No.:	O4649
RN No.:	RN111788618

For SOP applications, answer ALL questions unless otherwise directed.

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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. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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

Date:	09/05/2024
Permit No.:	O4649
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For SOP applications, answer ALL questions unless otherwise directed.

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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. <i>If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
◆	2. The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. The application area includes facilities that began construction prior to November 15, 1992. <i>If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Texas Commission on Environmental Quality
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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. <i>If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes a motor vehicle fuel dispensing facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	<input type="checkbox"/> YES <input type="checkbox"/> NO
I. Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries	
1. The application area is located at a petroleum refinery.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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(3)(A) or 115.427(7) are performed in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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. <i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
3. Asphalt emulsion is used or produced within the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is using an alternate control requirement as specified in 30 TAC § 115.513. <i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The applicant using cutback asphalt is a state, municipal, or county agency.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
◆ 2. Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. <i>If the response to Question III.L.2 is "YES," go to Section III.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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 \geq 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
M. Petroleum Dry Cleaning Systems		
	1. The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
2. The application area includes one or more flares that emit or have the potential to emit HRVOC. <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area contains pressure relief valves that are not controlled by a flare.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area has at least one vent stream which has no potential to emit HRVOC.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A

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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. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.</i> <i>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.</i> <i>For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.</i> <i>For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included.</i> <i>If the response to Question IV.A.3 is "YES," go to Question IV.G.1.</i> <i>If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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. <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The application area is located at a site that was a major source of NO _x before November 15, 1992.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Adipic Acid Manufacturing	
1. The application area is located at, or part of, an adipic acid production unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
E. Nitric Acid Manufacturing - Ozone Nonattainment Areas	
1. The application area is located at, or part of, a nitric acid production unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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). <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
	7. An ACSS for carbon monoxide (CO) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	8. An ACSS for ammonia (NH ₃) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	2. The application area is complying with the System Cap in 30 TAC § 117.3020.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to question IV.H.1 is "NO," go to Section V.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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 refinishing coatings or coating components and sells or distributes these coatings or coating components in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area imports automobile refinishing coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. <i>If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. All automobile refinishing 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. <i>If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is a distributor of aerosol coatings for resale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question V.E.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VI.A.1 is "NO," go to Section VII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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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. <i>If the response to Question VI.B.1 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). <i>If the response to Question VI.B.2 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. <i>If the response to Question VI.B.3 is "YES," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. <i>If the response to Question VI.B.4 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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. <i>If the response to Question VI.C.2 is "NO," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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)	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 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. </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 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. </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). <i>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.</i> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>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.</i> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> 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. <i>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.</i> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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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 (SO₂) Emissions (continued)	
◆ 4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes storm water sewer systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes non-contact cooling water systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes individual drain systems. <i>If the response to Question VI.G.5 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes completely closed drain systems.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.H.4 is "NO," go to Section VI.I.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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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. <i>If the response to Question VI.H.5 is "NO," go to Question VI.H.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VI.I.5 is "NO," go to VI.I.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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. <i>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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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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). <i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	<input type="checkbox"/> YES <input type="checkbox"/> NO
E. Subpart M - National Emission Standard for Asbestos	
<i>Applicability</i>	
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. <i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Roadway Construction</i>	
2. The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Manufacturing Commercial Asbestos</i>	
3. The application area includes a manufacturing operation using commercial asbestos. <i>If the response to Question VII.E.3 is "NO," go to Question VII.E.4.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Visible emissions are discharged to outside air from the manufacturing operation	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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)	
<i>Manufacturing Commercial Asbestos (continued)</i>	
c. Asbestos-containing waste material is processed into non-friable forms.	<input type="checkbox"/> YES <input type="checkbox"/> NO
d. Asbestos-containing waste material is adequately wetted.	<input type="checkbox"/> YES <input type="checkbox"/> NO
e. Alternative filtering equipment is being used that has received EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> 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	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Asbestos Spray Application</i>	
4. The application area includes operations in which asbestos-containing materials are spray applied. <i>If the response to Question VII.E.4 is "NO," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. <i>If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	<input type="checkbox"/> YES <input type="checkbox"/> NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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)	
<i>Asbestos Spray Application (continued)</i>	
d. Asbestos-containing waste material is processed into non-friable forms.	<input type="checkbox"/> YES <input type="checkbox"/> NO
e. Asbestos-containing waste material is adequately wetted.	<input type="checkbox"/> YES <input type="checkbox"/> NO
f. Alternative filtering equipment is being used that has received EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO
g. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Fabricating Commercial Asbestos</i>	
5. The application area includes a fabricating operation using commercial asbestos. <i>If the response to Question VII.E.5 is "NO," go to Question VII.E.6.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Visible emissions are discharged to outside air from the manufacturing operation.	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO
c. Asbestos-containing waste material is processed into non-friable forms.	<input type="checkbox"/> YES <input type="checkbox"/> NO
d. Asbestos-containing waste material is adequately wetted.	<input type="checkbox"/> YES <input type="checkbox"/> NO
e. Alternative filtering equipment is being used that has received EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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)	
<i>Fabricating Commercial Asbestos (continued)</i>	
f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Non-sprayed Asbestos Insulation</i>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Asbestos Conversion</i>	
7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes benzene transfer operations at marine vessel loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area has waste streams with flow-weighted annual average water content of 10% or greater.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area transfers waste off-site for treatment by another facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area is complying with 40 CFR § 61.342(d).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area is complying with 40 CFR § 61.342(e). <i>If the response to Question VII.H.13 is "NO," go to Question VII.H.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area has facility waste with a flow weighted annual average water content of less than 10%.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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. <i>If the response to Question VII.H.15 is "NO," go to Question VII.H.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. <i>If the response to Question VII.H.16 is "YES," go to Question VII.H.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VII.H.18 is "NO," go to Question VII.H.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VII.H.19 is "YES," go to Question VII.H.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area has individual drain systems complying with 40 CFR § 61.346(a). <i>If the response to Question VII.H.20 is "NO," go to Question VII.H.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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). <i>If the response to Question VII.H.22 is "NO," go to Question VII.H.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	<input type="checkbox"/> YES <input type="checkbox"/> NO
Remediation Activities	
25. Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>See instructions for 40 CFR Part 63 subparts made applicable only by reference.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.B.1 is "NO," go to Section VIII.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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)	
B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)	
<p>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).</p> <p><i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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 <u>not</u> 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.</p> <p><i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> 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		
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. <i>If the response to Question VIII.C.1 is "NO," go to Section VIII.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. <i>If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
<i>Reloading or Cleaning of Railcars, Tank Trucks, or Barges</i>	
8. The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. <i>If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Transfer Racks</i>	
11. The application area includes Group 1 transfer racks that load organic HAPs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Process Wastewater Streams</i>	
12. The application area includes process wastewater streams. <i>If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. <i>If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. <i>If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. <i>If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
21. The application area includes process wastewater streams, located at existing sources that are Group 2.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
28. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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)	
<i>Drains</i>	
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. <i>If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. <i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
F. Subpart Q - National Emission Standards for Industrial Process Cooling Towers	
1. The application area includes industrial process cooling towers. <i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes a pipeline breakout station. <i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. <i>If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Emissions screening factor less than 0.5 (ET or EP < 0.5). <i>If the response to Question VIII.G.7 is "YES," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). <i>If the response to Question VIII.G.8 is "YES," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). <i>If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The site at which the application area is located is a major source of HAP. <i>If the response to Question VIII.G.10 is "NO," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.H.1 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). <i>If the response to Question VIII.H.2 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. <i>If the response to Question VIII.H.3 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes one or more kraft pulping systems that are existing sources.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.H.6 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.J.1 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.J.2 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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. <i>If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. <i>If the response to Question VIII.J.15 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.J.16 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area includes a BLR and/or WSR research and development facility.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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). <i>If the response to Question VIII.N.1 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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). <i>If the response to Question VIII.N.2 is "YES," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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). <i>If the response to Question VIII.N.9 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.”	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The predominant activity in the application area is the treatment of wastewater received from off-site.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.O.10 is “YES,” go to Section VIII.P.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. VOHAP concentration is determined by direct measurement.	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. VOHAP concentration is based on knowledge of the off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes containers that manage non-exempt off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes individual drain systems that manage non-exempt off-site materials.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.</i> <i>For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 3. The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. <i>For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area is located at a site that is a major source of HAP. <i>If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)		
◆	<p>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 ft³) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day.</p> <p><i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i></p> <p><i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i></p> <p><i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>6. The application area includes a triethylene glycol (TEG) dehydration unit.</p> <p><i>For SOP applications, if 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.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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).</p>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.R.1 is "NO," go to Section VIII.S.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. <i>If the response to Question VIII.U.1 is "NO," go to Section VIII.V.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes containers using Container Level 1 controls.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes containers using Container Level 2 controls.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes an ethylene production process unit.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
21. The application area includes waste streams generated from an ethylene production process unit. <i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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). <i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. Waste stream(s) are transferred off-site for treatment. <i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. <i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
29. The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
30. The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. <i>If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the response to Question VIII.W.32 is required, go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
33. The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. <i>If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
34. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. <i>If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
35. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
37. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
38. The application area has individual drain systems complying with 40 CFR § 61.346(a). <i>If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
40. The application area has individual drain systems complying with 40 CFR § 61.346(b). <i>If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
42. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	<input type="checkbox"/> YES <input type="checkbox"/> NO
43. The application area has at least one waste stream that contains benzene. <i>If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
44. The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. <i>If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
45. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. <i>If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
46. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
48. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
49. The application area has individual drain systems complying with 40 CFR § 61.346(a). <i>If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
51. The application area has individual drain systems complying with 40 CFR § 61.346(b). <i>If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
53. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	<input type="checkbox"/> YES <input type="checkbox"/> NO
54. The application area contains a cyanide chemicals manufacturing process. <i>If the response to Question VIII.W.54 is "NO," go to Section VIII.X.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
55. The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. All process wastewater streams generated or managed in the application area are from sources producing polystyrene. <i>If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. <i>If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. <i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
<i>Drains (continued)</i>	
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). <i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located at a site that is a major source of HAP. <i>If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). <i>If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The site remediation will be completed within 30 consecutive calendar days.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. No site remediation will exceed 30 consecutive calendar days. <i>If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The EAF steelmaking facility is a research and development facility. <i>If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Metallic scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Scrap containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Scrap not containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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. <i>If the answer to Question EE.1 is "NO," go to Section VIII.FF.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. <i>If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7. The bulk gasoline terminal has throughput of less than 250,000 gallons per day. <i>If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The bulk gasoline terminal loads gasoline into railcar cargo tanks. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	<input type="checkbox"/> YES <input type="checkbox"/> 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)	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. <i>If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 3. The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>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.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. Subpart ZZZZ	

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IX. Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions	
A. Applicability	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone	
A. Subpart A - Production and Consumption Controls	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
B. Subpart B - Servicing of Motor Vehicle Air Conditioners	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">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.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
D. Subpart D - Federal Procurement	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">1. The application area is owned/operated by a department, agency, or instrumentality of the United States.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
E. Subpart E - The Labeling of Products Using Ozone Depleting Substances	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">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.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;">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.</div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>

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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.
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	3. The application area manufactures appliances or refrigerant recycling and recovery equipment.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. <i>If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.</i>
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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).
	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	2. Disposal of halons or manufacturing of halon blends is conducted in the application area.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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XI. Miscellaneous (continued)	
B. Forms	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.</p> <p><i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<p>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.</p>
C. Emission Limitation Certifications	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area includes units for which federally enforceable emission limitations have been established by certification.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>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.</p> <p><i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>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.</p> <p><i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>

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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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7. The application area includes emission units that qualify for the CSAPR NO _x Ozone Season Group 2 retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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XI. Miscellaneous (continued)	
G. 40 CFR Part 97, Subpart FFFFF - Texas SO₂ Trading Program	
1. The application area includes emission units complying with the requirements of the Texas SO ₂ Trading Program. <i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes emission units that qualify for the Texas SO ₂ Trading Program retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
J. Title 30 TAC Chapter 101, Subchapter H		
◆	1. The application area is located in a nonattainment area. <i>If the response to Question XI.J.1 is "NO," go to question XI.J.3.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆	3. The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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

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For SOP applications, answer ALL questions unless otherwise directed.

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

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 .	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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Form OP-REQ1: Page 83	
XI. Miscellaneous (continued)	
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. <i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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Form OP-REQ1: Page 84		
XI. Miscellaneous (continued)		
L. Compliance Assurance Monitoring (continued)		
◆	9. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	10. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	11. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	<input type="checkbox"/> YES <input type="checkbox"/> NO
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. <i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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XII. New Source Review (NSR) Authorizations (continued)		
B. Air Quality Standard Permits		
◆	1. The application area includes at least one Air Quality Standard Permit NSR authorization. <i>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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	6. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
	8. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	9. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	10. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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XII. New Source Review (NSR) Authorizations (continued)	
B. Air Quality Standard Permits (continued)	
◆ 11. The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 12. The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.12 is "NO," go to Question XII.B.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 13. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 14. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 15. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 16. The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. Flexible Permits	
1. The application area includes at least one Flexible Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Multiple Plant Permits	
1. The application area includes at least one Multi-Plant Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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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.: PSDTX1626	Issuance Date: 06/12/2024	Pollutant(s): NO _x , CO, PM, PM ₁₀ , PM _{2.5} , VOC	
PSD Permit No.: GHGPSDTX233	Issuance Date: 06/12/2024	Pollutant(s): CO ₂ e	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
<i>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.</i>			
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):	
<i>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.</i>			
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.: 173582	Issuance Date: 06/12/2024	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
◆ I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
<i>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.</i>	
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.: 106.355	Version No./Date: 11/01/2001
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.532	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:
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

Form OP-REQ2
Negative Applicable/Superseded Requirement Determinations
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		EMGEN	OP-UA2	30 TAC Chapter 117, Subchapter B	§ 117.100	Not located in an applicable ozone nonattainment area.
		CTG5	OP-UA11	40 CFR Part 60, Subpart GG		The stationary combustion turbines are regulated under 40 CFR 60, Subpart KKKK; therefore, are exempt from the requirements of 40 CFR Part 60, Subpart GG.
		CTG5	OP-UA11	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3000(a)(3)	Equipment placed in service on or after December 31, 1995.
		CTG5	OP-UA11	30 TAC Chapter 117, Subchapter B	§ 117.100	Not located in an applicable ozone nonattainment area.
		CTG6	OP-UA11	40 CFR Part 60, Subpart GG		The stationary combustion turbines are regulated under 40 CFR 60, Subpart KKKK; therefore, are exempt from the requirements of 40 CFR Part 60, Subpart GG.
		CTG6	OP-UA11	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3000(a)(3)	Equipment placed in service on or after December 31, 1995.
		CTG6	OP-UA11	30 TAC Chapter 117, Subchapter B	§ 117.100	Not located in an applicable ozone nonattainment area.

Form OP-REQ2
Negative Applicable/Superseded Requirement Determinations
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		CTG5	OP-UA11	40 CFR Part 60, Subpart TTTTa	§ 60.5509a	The turbine was fabricated before 05/23/2023 applicability date. The turbine was authorized by Permit 106011 for another plant in 2014; purchased in 2015; and stored since 2016. See EPA Alyeska Pipeline Memo dated 08/01/2002 regarding mass-produced turbines purchased in completed form.
		CTG6	OP-UA11	40 CFR Part 60, Subpart TTTTa	§ 60.5509a	The turbine was fabricated before 05/23/2023 applicability date. The turbine was authorized by Permit 106011 for another plant in 2014; purchased in 2015; and stored since 2016. See EPA Alyeska Pipeline Memo dated 08/01/2002 regarding mass-produced turbines purchased in completed form.
		Stack5	OP-UA15	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.720(a)	Not located in the HGA area.
		Stack5	OP-UA15	30 TAC Chapter 115, Vent Gas Controls	§ 115.112(a)	Not located in HGA, BPA, DFW or El Paso areas.
		Stack6	OP-UA15	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.720(a)	Not located in the HGA area.

Form OP-REQ2
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Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		Stack6	OP-UA15	30 TAC Chapter 115, Vent Gas Controls	§ 115.112(a)	Not located in HGA, BPA, DFW or El Paso areas.
		EGTank	OP-UA3	30 TAC Chapter 115, Storage of VOCs	§ 115.110(a)	Not located in HGA, BPA, DFW or El Paso areas and Gregg, Nueces, Victoria, Aransas, Bexar, Calhoun, Matagorda, San Patricio, or Travis County.
		EGTank	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters
		Stack5LOVT	OP-UA3	30 TAC Chapter 115, Storage of VOCs	§ 115.110(a)	Not located in HGA, BPA, DFW or El Paso areas and Gregg, Nueces, Victoria, Aransas, Bexar, Calhoun, Matagorda, San Patricio, or Travis County.
		Stack5LOVT	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters
		Stack6LOVT	OP-UA3	30 TAC Chapter 115, Storage of VOCs	§ 115.110(a)	Not located in HGA, BPA, DFW or El Paso areas and Gregg, Nueces, Victoria, Aransas, Bexar, Calhoun, Matagorda, San Patricio, or Travis County.
		Stack6LOVT	OP-UA3	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Capacity is less than 75 cubic meters

FORM OP-SUM

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

Table 1

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit/Process ID No.	Applicable Form	Unit Name/Description	CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I	Group ID No.
CTG5	OP-UA11	Combustion Turbine 5		173582	PSDTX1626, GHGPSDTX233	
CTG6	OP-UA11	Combustion Turbine 6		173582	PSDTX1626, GHGPSDTX233	
Stack5	OP-UA15	Combustion Turbine 5 Stack		173582	PSDTX1626, GHGPSDTX233	
Stack6	OP-UA15	Combustion Turbine 6 Stack		173582	PSDTX1626, GHGPSDTX233	
EMGEN	OP-UA2	Emergency Generator		173582	PSDTX1626, GHGPSDTX233	
EGTank	OP-UA3	Emergency Generator Tank		173582	PSDTX1626, GHGPSDTX233	
Stack5LOVT	OP-UA3	Combustion Turbine 5 Stack – Lube Oil storage tank		173582	PSDTX1626, GHGPSDTX233	
Stack6LOVT	OP-UA3	Combustion Turbine 6 Stack – Lube Oil storage tank		173582	PSDTX1626, GHGPSDTX233	

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

Table 1

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit/Process ID No.	Applicable Form	Unit Name/Description	CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I	Group ID No.
WELD	OP-PBR SUP	Welding		106.227/09/04/2000		
MAINT	OP-PBR SUP	Maintenance		106.263/09/04/2000		
HHELD	OP-PBR SUP	Hand-held and manually operated machines		106.265/09/04/2000		
PURGE	OP-PBR SUP	Pipeline metering, purging and maintenance		106.355/11/01/2001		
ABRAS	OP-PBR SUP	Dry abrasive cleaning		106.452/09/04/2000		
LOAD	OP-PBR SUP	Organic and inorganic liquid loading and unloading		106.472/09/04/2000		
WWASTE	OP-PBR SUP	Wastewater treatment		106.532/09/04/2000		

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary
Form OP-SUM**

Table 2: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO₂ Trading Program

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO ₂	Texas SO ₂ Monitoring	COR
CTG5	OP-UA11	CTG-5	YES	NEW	YES	CEMSD	NO		YES
CTG6	OP-UA11	CTG-6	YES	NEW	YES	CEMSD	NO		YES

FORM OP-PBRSUP

Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
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[illegible]

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (Not Registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
09/05/2024	O4649	RN111788618

Unit ID No.	PBR No.	Version No./Date
WELD	106.227	09/04/2000
MAINT	106.263	11/01/2001
HHELD	106.265	09/04/2000
PURGE	106.355	11/01/2001
ABRAS	106.452	09/04/2000
LOAD	106.472	09/04/2000
WWASTE	106.532	09/04/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (Not Registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
09/05/2024	O4649	RN111788618

[illegible]

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for Registered and Claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
09/05/2024	O4649	RN111788618

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
WELD	106.227	09/04/2000	Keep records of brazing, soldering, or welding equipment with less than 0.6 ton per year or more of lead emitted.
MAINT	106.263	11/01/2001	Maintain records for all maintenance, start-up, or shutdown activities and temporary maintenance facilities so that there is sufficient information to determine compliance with this section including (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a
HHELD	106.265	09/04/2000	There are no ongoing requirements in PBR 106.265 to monitor.
PURGE	106.355	11/01/2001	Maintain records for all maintenance and purging emissions including: (A) the type and reason for the activity; (B) the processes and equipment involved; (C) the date, time, and duration of the activity; and (D) the air contaminants and amounts which are emitted as a result of the activity
ABRAS	106.452	09/04/2000	Maintain records of daily, monthly, and annual abrasive usage rate and abrasive cleaning operating hours.
LOAD	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
WWASTE	106.532	09/04/2000	Maintain records, including test results, standard reference materials, calculations, and/or other information, which document that the unit performs only the functions listed in the PBR.

FORM OP-UA2

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
EMGEN	63ZZZZ	AREA	500+	06+			

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

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

**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
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
EMGEN	60IIII	DIESEL		10-		2017+	

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
EMGEN	60IIII	E560-2237		NO	YES	MANU YES		

FORM OP-UA3

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
EGTank	60Kb	PTLQ-3	10K-							
Stack5LOVT	60Kb	PTLQ-3	10K-							
Stack6LOVT	60Kb	PTLQ-3	10K-							

FORM OP-UA11

**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
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	Date Placed in Service	Unit	NO _x Emission Limitation	NO _x Monitoring	Max Emission Rate	MW Rating
CTG5	117E	95+					
CTG6	117E	95+					

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO _x Standard	Fuel Type
CTG5	60KKKK-1	SIMPLE	2005C	850+	NO	NOTER	NO	NGO
CTG5	60KKKK-2	SIMPLE	2005C	850+	NO	NOTER	NO	NGO
CTG6	60KKKK-1	SIMPLE	2005C	850+	NO	NOTER	NO	NGO
CTG6	60KKKK-2	SIMPLE	2005C	850+	NO	NOTER	NO	NGO

Stationary Turbine Attributes
Form OP-UA11 (Page 13)
Federal Operating Permit Program
Table 6b: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	75% of Peak	30 MW	Turbine Use	NO _x Control	NO _x Monitoring	Common Steam Header	Duct Burner
CTG5	60KKKK-1	YES	NO	ELCT	NO	CEMS		
CTG5	60KKKK-2	NO		ELCT	NO	CEMS		
CTG6	60KKKK-1	YES	NO	ELCT	NO	CEMS		
CTG6	60KKKK-2	NO		ELCT	NO	CEMS		

Stationary Turbine Attributes
Form OP-UA11 (Page 14)
Federal Operating Permit Program
Table 6c: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	Location	SO ₂ Standard	Fuel Monitoring	Fuel Quality	Performance Test	Intermediate Storage	Fuel Schedules
CTG5	60KKKK-1	NO	NO	YES	SAMP	SAMP		
CTG5	60KKKK-2	NO	NO	YES	SAMP	SAMP		
CTG6	60KKKK-1	NO	NO	YES	SAMP	SAMP		
CTG6	60KKKK-2	NO	NO	YES	SAMP	SAMP		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA11 (Page 15)
Federal Operating Permit Program
Table 7a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Unit ID No.	SOP Index No.	Construction/Reconstruction Date	Standard	Natural Gas Combustion	Net Electric Sales	Fuel Type	CO2 Emissions Determination	Commercial Operation Date
CTG5	60TTTT-1	2014+	INPUT	90%+		UNIFORM		
CTG5	60TTTT-2	2014+	INPUT	90%+		UNIFORM		
CTG6	60TTTT-1	2014+	INPUT	90%+		UNIFORM		
CTG6	60TTTT-2	2014+	INPUT	90%+		UNIFORM		

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
Stack5	R1111	NO		OTHER	NONE	72+	100+
Stack6	R1111	NO		OTHER	NONE	72+	100+

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/05/2024	O4649	RN111788618

Emission Point ID No.	SOP Index No.	Annual ACF	Heat Input	State Implementation Plan (SIP) Violation	Total Feed Capacity
Stack5	R1111				
Stack6	R1111				

END OF APPLICATION

From: Amy Wolf <Amy.Wolf@calpine.com>
Sent: Friday, August 2, 2024 4:39 AM
To: Carolyn Maus
Cc: larry.moon@powereng.com
Subject: RE: Technical Review -- FOP O4649, FPEC, LLC

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

RE Project No. 36697 FOP O4649, FPEC, LLC

Hi Carolyn,

We are looking forward to working with you on the Title V for FPEC. Thank you for the introductory email and information. We will have the full application for you shortly. My contacts are below.

Thank you!

AMY WOLF, CSP, PMP
Project Manager III
CALPINE CORPORATION
Direct: (516) 425-8019
Email: amy.wolf@calpine.com



From: Carolyn Maus <carolyn.maus@tceq.texas.gov>
Sent: Wednesday, July 31, 2024 7:34 PM
To: Amy Wolf <Amy.Wolf@calpine.com>
Cc: larry.moon@powereng.com
Subject: Technical Review -- FOP O4649, FPEC, LLC

You don't often get email from carolyn.maus@tceq.texas.gov. [Learn why this is important](#)

⚠️ EXTERNAL SENDER ⚠️

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Consider the following before taking action: Were you expecting this email? Can you verify the sender? Are the grammar and spelling correct? Does the content or request make sense?

Good evening,

I have been assigned to the Federal Operating Permit (FOP) initial issuance application of Permit No. O4649 for FPEC, LLC. This application has been assigned Project No. 36697. Please

address all correspondence pertaining to this permit application, including any updates, to me at the address in my email signature, and use both the Permit and Project reference numbers above to facilitate tracking. I will be conducting a technical review of the application and will request any updates or corrections as needed. Since the NSR permits were issued in June, I will be sending you a request in the few weeks to submit the full application. When I send the request, you'll have 30 days to submit the full application. You are welcome to contact me when you receive the request if you have any questions.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:

- a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
- b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
- c. High level terms in the SOP Applicable Requirement Summary Table. The high level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
- d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

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,

Carolyn Maus, P.E.
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163

Austin, TX 78711
Phone: (512) 239-6204
Fax: (512) 239-1400



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Carolyn Thomas

From: Amy Wolf <Amy.Wolf@calpine.com>
Sent: Tuesday, June 11, 2024 6:13 PM
To: larry.moon@powereng.com; Carolyn Thomas
Cc: analyssa.hernandez@powereng.com
Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697
Attachments: Complete_with_Docusign_OP-CRO2_DR.pdf

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Attached is the DR form.

Thank you!

AMY WOLF, CSP, PMP
Project Manager III
CALPINE CORPORATION
Direct: (516) 425-8019
Email: amy.wolf@calpine.com



From: larry.moon@powereng.com <larry.moon@powereng.com>
Sent: Tuesday, June 11, 2024 4:48 PM
To: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697



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Consider the following before taking action: Were you expecting this email? Can you verify the sender? Are the grammar and spelling correct? Does the content or request make sense?

Carolyn,

The signed ADR form is attached. The person signing the DR form is not available until later today after close of business. We will send that when it is available.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450

Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

From: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Sent: Tuesday, June 11, 2024 8:30 AM
To: Moon, Larry <larry.moon@powereng.com>
Cc: Amy Wolf <Amy.Wolf@calpine.com>; Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Subject: [EXTERNAL] FW: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

CAUTION: This Email is from an **EXTERNAL** source. **STOP. THINK** before you CLICK links or OPEN attachments.

Good Morning Larry,

As we discussed on our phone call yesterday, please send the form CRO2 designating DR and ADR before close of business.

Please let me know if you have any questions.am

Thank you,
Carolyn Thomas
Air Permits Initial Review Team
Air Permits Division, MC 161
Office of Air Texas Commission on Environmental Quality
Phone: (512) 239-5127
Fax: (512) 233-0973
E-mail: carolyn.thomas@tceq.texas.gov
Web site: www.tceq.texas.gov [tceq.texas.gov]
Please consider whether it is necessary to print this e-mail.
How are we doing? www.tceq.texas.gov/customersurvey [linkprotect.cudasvc.com]

From: Carolyn Thomas
Sent: Monday, June 10, 2024 9:45 AM
To: larry.moon@powereng.com
Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Please send the form to me. No need to submit via STEERs.

Thanks!

From: larry.moon@powereng.com <larry.moon@powereng.com>
Sent: Monday, June 10, 2024 9:22 AM

To: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>

Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com

Subject: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Carolyn,

This Abbreviated Application is for a new Title V permit. The Designated Representative, Robert Dewitt, was designated on the second page of the OP-CRO1 submitted with the application. There is not a proposed Alternate Designated Representative.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

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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.:	RN: RN111788618	CN: CN606169704
Permit No.: O4649	Area Name: FPEC, LLC	
Company Name: FPEC, LLC		
II. Change Type		
Action Type:	<input checked="" type="checkbox"/> New Appointment	<input type="checkbox"/> Administrative Information Change
Contact Type (<i>only one response can be accepted per form</i>):		
<input type="checkbox"/> Responsible Official	<input checked="" type="checkbox"/> Designated Representative	<input type="checkbox"/> Alternate Designated Representative
III. Responsible Official/Designated Representative/Alternate Designated Representative Information		
Conventional Title: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)		
Name: Robert Dewitt		
Title: Plant Manager	Appointment Effective Date: 05/22/2024	
Telephone No.: (903) 389-1447	Fax No.:	
Company Name: Calpine Corporation		
Mailing Address: 717 Texas Ave, Suite 1000		
City: Houston	State: TX	ZIP Code: 77002
E-mail Address: Robert.Dewitt@calpine.com		
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, <u>Robert Dewitt</u> , 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: <u>Robert D. Dewitt</u>	Signature Date: <u>6/11/2024 5:17 PM</u> CDT	
<small>5BBAAE7F7A0142E...</small>		

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

V. Additional Identifying Information		
Account No.:	RN:	CN:
Permit No.:		Area Name:
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:

Certificate Of Completion

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Initials: 0

Amy Wolf

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Amy.Wolf@calpine.com

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Amy.Wolf@calpine.com

Signer Events

Robert D. Dewitt

robert.dewitt@calpine.com

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All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Calpine Corporation:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: gus.dahu@calpine.com

To advise Calpine Corporation of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at gus.dahu@calpine.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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To request paper copies from Calpine Corporation

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to gus.dahu@calpine.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Calpine Corporation

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to gus.dahu@calpine.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

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- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Calpine Corporation as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Calpine Corporation during the course of your relationship with Calpine Corporation.

Carolyn Thomas

From: larry.moon@powereng.com
Sent: Tuesday, June 11, 2024 3:48 PM
To: Carolyn Thomas
Cc: Amy Wolf; analyssa.hernandez@powereng.com
Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697
Attachments: 6.11.24 Freestone ADR OP-CRO2.pdf

Carolyn,

The signed ADR form is attached. The person signing the DR form is not available until later today after close of business. We will send that when it is available.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

From: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Sent: Tuesday, June 11, 2024 8:30 AM
To: Moon, Larry <larry.moon@powereng.com>
Cc: Amy Wolf <Amy.Wolf@calpine.com>; Hernandez, Analyssa <analyssa.hernandez@powereng.com>
Subject: [EXTERNAL] FW: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

CAUTION: This Email is from an **EXTERNAL** source. **STOP. THINK** before you CLICK links or OPEN attachments.

Good Morning Larry,

As we discussed on our phone call yesterday, please send the form CRO2 designating DR and ADR before close of business.

Please let me know if you have any questions.am

Thank you,
Carolyn Thomas
Air Permits Initial Review Team
Air Permits Division, MC 161
Office of Air Texas Commission on Environmental Quality
Phone: (512) 239-5127
Fax: (512) 233-0973
E-mail: carolyn.thomas@tceq.texas.gov
Web site: www.tceq.texas.gov [tceq.texas.gov]
Please consider whether it is necessary to print this e-mail.

How are we doing? www.tceq.texas.gov/customersurvey_linkprotect.cudasvc.com

From: Carolyn Thomas
Sent: Monday, June 10, 2024 9:45 AM
To: larry.moon@powereng.com
Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Please send the form to me. No need to submit via STEERs.

Thanks!

From: larry.moon@powereng.com <larry.moon@powereng.com>
Sent: Monday, June 10, 2024 9:22 AM
To: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Subject: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Carolyn,

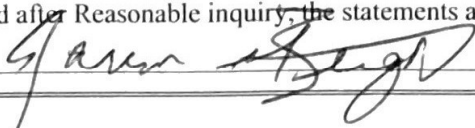
This Abbreviated Application is for a new Title V permit. The Designated Representative, Robert Dewitt, was designated on the second page of the OP-CRO1 submitted with the application. There is not a proposed Alternate Designated Representative.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

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.:	RN: RN111788618	CN: CN606169704
Permit No.: O4649	Area Name: FPEC, LLC	
Company Name: FPEC, LLC		
II. Change Type		
Action Type:	<input checked="" type="checkbox"/> New Appointment	<input type="checkbox"/> Administrative Information Change
Contact Type (<i>only one response can be accepted per form</i>):		
<input type="checkbox"/> Responsible Official	<input type="checkbox"/> Designated Representative	<input checked="" type="checkbox"/> Alternate Designated Representative
III. Responsible Official/Designated Representative/Alternate Designated Representative Information		
Conventional Title: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)		
Name: Jaron Bergin		
Title: Director, Regional EH&S	Appointment Effective Date: 05/22/2024	
Telephone No.: (713) 332-5164	Fax No.:	
Company Name: Calpine Corporation		
Mailing Address: 717 Texas Ave, Suite 1000		
City: Houston	State: TX	ZIP Code: 77002
E-mail Address: Jaron.Bergin@calpine.com		
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, <u>Jaron Bergin</u> , 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: 	Signature Date: <u>6/11/24</u>	

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

V. Additional Identifying Information		
Account No.:	RN:	CN:
Permit No.:		Area Name:
Account No.:	RN:	CN:
Permit No.:		Area Name:
Account No.:	RN:	CN:
Permit No.:		Area Name:
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:
Account No.:	RN:	CN:
Permit No.:		Area Name:
Account No.:	RN:	CN:
Permit No.:		Area Name:

Carolyn Thomas

From: Carolyn Thomas
Sent: Tuesday, June 11, 2024 8:30 AM
To: larry.moon@powereng.com
Cc: Amy Wolf; analyssa.hernandez@powereng.com
Subject: FW: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Good Morning Larry,

As we discussed on our phone call yesterday, please send the form CRO2 designating DR and ADR before close of business.

Please let me know if you have any questions.am

Thank you,
Carolyn Thomas
Air Permits Initial Review Team
Air Permits Division, MC 161
Office of Air Texas Commission on Environmental Quality
Phone: (512) 239-5127
Fax: (512) 233-0973
E-mail: carolyn.thomas@tceq.texas.gov
Web site: www.tceq.texas.gov
Please consider whether it is necessary to print this e-mail.
How are we doing? www.tceq.texas.gov/customersurvey

From: Carolyn Thomas
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Subject: RE: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Please send the form to me. No need to submit via STEERs.

Thanks!

From: larry.moon@powereng.com <larry.moon@powereng.com>
Sent: Monday, June 10, 2024 9:22 AM
To: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Cc: Amy Wolf <Amy.Wolf@calpine.com>; analyssa.hernandez@powereng.com
Subject: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

Carolyn,

This Abbreviated Application is for a new Title V permit. The Designated Representative, Robert Dewitt, was designated on the second page of the OP-CRO1 submitted with the application. There is not a proposed Alternate Designated Representative.

Larry A. Moon, P.E.
POWER Engineers, Inc.
2600 Via Fortuna, Suite 450
Austin, TX 78746
larry.moon@powereng.com

Direct: <tel:1-512-879-6619>
Cell: 512-751-9909

Carolyn Thomas

From: Carolyn Thomas
Sent: Monday, June 10, 2024 7:40 AM
To: robert.dewitt@calpine.com; Amy Wolf
Subject: FPEC LLC Title V ACID Rain, Permit 4649, Project 36697

We have received your application for the above referenced facility and it is currently under review. The following item(s) are required before we can declare the application administratively complete:

- Please complete form CRO2 designating DR and ADR and send to me.

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	FPEC
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.893611
Longitude (W) (-###.#####)	-96.111389
Primary SIC Code	4911
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111788618
What is the name of the Regulated Entity (RE)?	FPEC
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1366 FM 488 UNIT 5
City	FAIRFIELD
State	TX
ZIP	75840
County	FREESTONE
Latitude (N) (##.#####)	31.890476
Longitude (W) (-###.#####)	-96.111963
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC GENERATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606169704
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Fpec, LLC
Texas SOS Filing Number	805170005
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	

DUNS Number
Number of Employees
Independently Owned and Operated? Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Robert
Middle	
Last	Dewitt
Suffix	
Credentials	
Title	Plant Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON

State	TX
Zip	77002
Phone (###-###-####)	9033891447
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.dewitt@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
-------------------	---------------------

Prefix	MR
--------	----

First	Jaron
-------	-------

Middle	
Last	Bergin

Suffix	
--------	--

Credentials

Title	Regional EH&S
-------	---------------

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
--------------	----------

Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
--	-----------------------

Routing (such as Mail Code, Dept., or Attn:)

City	HOUSTON
------	---------

State	TX
-------	----

Zip	77002
-----	-------

Phone (###-###-####)	7133325164
----------------------	------------

Extension	
-----------	--

Alternate Phone (###-###-####)	
--------------------------------	--

Fax (###-###-####)	
--------------------	--

E-mail	Jaron.Bergin@calpine.com
--------	--------------------------

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	Calpine Corporation
-------------------	---------------------

Prefix	MS
--------	----

First	Amy
-------	-----

Middle	
Last	Wolf

Suffix	
--------	--

Credentials

Title	Project Manager III
-------	---------------------

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 TEXAS ST STE 1000
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	5164258019
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	amy.wolf@calpine.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 53 Min 37 Sec
2) Permit Longitude Coordinate:	96 Deg 6 Min 41 Sec
3) Is this submittal a new application or an update to an existing application?	New Application
3.1. What type of Federal Operating Permit are you applying for?	SOP
3.2. Is this submittal an abbreviated or a full application?	Abbreviated
3.3. Is this application for a portable facility?	No
3.4. Is the site a non-major source subject to the Federal Operating Permit Program?	No
3.5. Are there any permits that should be voided upon issuance of this permit application through permit conversion?	No
3.6. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
4) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
4.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments New

- Attach OP-1 (Site Information Summary)
- Attach OP-ACPS (Application Compliance Plan and Schedule)
- Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)
- Attach OP-REQ2 (Negative Applicable Requirement Determinations)
- Attach OP-REQ3 (Applicable Requirements Summary)
- Attach OP-PBRSUP (Permits by Rule Supplemental Table)
- Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	Complete_with_Docusign_Abbreviated_TV_Packag.pdf
Hash	BAEF46A3BA82B2E9B07CB98CA114B74FB0034E4A6BE4119D10F392F19B35EBB6
MIME-Type	application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No
---	----

Certification

I certify that I am the Responsible Official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	139.138.141.214
Signature Date:	2024-06-03
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3

Form Hash Code at
time of Signature:

6C13E97AE3DB9537B27DF47B6E45CBE3A783C2C3A07DBDD0392744A9B1178490

Certification

I certify that I am the Designated Representative for this application and 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.

1. I am Robert Dewitt, the owner of the STEERS account ER094486.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V New.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Robert Dewitt OWNER OPERATOR

Account Number:	ER094486
Signature IP Address:	139.138.141.214
Signature Date:	2024-06-03
Signature Hash:	8CE3B2653224E9CD317DE0A4458C3F7D15CC2A1174C2F715EE29301BBFCC1DA3
Form Hash Code at time of Signature:	6C13E97AE3DB9537B27DF47B6E45CBE3A783C2C3A07DBDD0392744A9B1178490

Submission

Reference Number:	The application reference number is 656335
Submitted by:	The application was submitted by ER094486/Robert Dewitt
Submitted Timestamp:	The application was submitted on 2024-06-03 at 11:17:46 CDT
Submitted From:	The application was submitted from IP address 139.138.141.214
Confirmation Number:	The confirmation number is 543464
Steers Version:	The STEERS version is 6.76

Additional Information

Application Creator: This account was created by Analyssa E Hernandez



CALPINE CORPORATION

May 31st, 2024

Air Permits Initial Review Team (APIRT), MC 161 via electronic delivery
Texas Commission on Environmental Quality
12100 Park 35 Circle
Building C, Third Floor, Room 300W
Austin, TX 78753

Re: Abbreviated Initial Title V SOP Application
FPEC, LLC
Fairfield, Freestone County, Texas
Regulated Entity No. RN111788618
Customer No. CN606169704

Dear APIRT:

FPEC, LLC, hereby submits the enclosed abbreviated application for an initial Title V Federal Operating Permit for two natural gas fired simple cycle combustion turbine generators being authorized by pending Air Permits 73582, PSDTX1626, and GHGPSDTX233. The attached abbreviated initial application meets the requirements for an abbreviated initial State Operating Permit application per 30 Texas Administrative Code Chapter 122.

Per Section 122.132(c), this abbreviated application is comprised of the Form OP-1 (Site Information Summary), Form OP-CRO1 (Certification by Responsible Official), Form OPAR1 (Acid Rain Permit Application), and the Acid Rain Certificate of Representation.

A full permit application will be submitted in a timely manner or as requested by the TCEQ. If you have any questions, please contact me at 516-425-8019 or Amy.Wolf@calpine.com, or Mr. Larry Moon at 512-879-6619 or larry.moon@powereng.com.

Sincerely,

Mrs. Amy Wolf, CSP, PMP
Project Manager III
Calpine Corporation

Attachments

cc: Mr. Jason Neumann, Air and Waste Section Manager, TCEQ Region 9, Waco, w/attachment
Mr. Larry Moon, POWER Engineers, w/attachment via email
EPA Region 6 Title V Permitting Contact (via email: R6AirPermitsTX@epa.gov), w/attachment via email

ATTACHMENT A FORM OP-1

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

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or 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: FPEC, LLC
B. Customer Reference Number (CN): CN606169704
C. Submittal Date (mm/dd/yyyy): 05/24/2024
II. Site Information
A. Site Name: FPEC, LLC
B. Regulated Entity Reference Number (RN): RN111788618
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/> AR <input type="checkbox"/> CO <input type="checkbox"/> KS <input type="checkbox"/> LA <input type="checkbox"/> NM <input type="checkbox"/> OK <input checked="" type="checkbox"/> N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO _x <input type="checkbox"/> SO ₂ <input checked="" type="checkbox"/> PM ₁₀ <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/> Site Operating Permit (SOP) <input type="checkbox"/> Temporary Operating Permit (TOP) <input type="checkbox"/> General Operating Permit (GOP)

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

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>
A. Is this submittal an abbreviated or a full application? <input checked="" type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? <input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Has the required Public Involvement Plan been included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
RO Full Name: Robert Dewitt
RO Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389-1447
Fax No.:
Email: Robert.Dewitt@calpine.com

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Amy Wolf
Technical Contact Title: Project Manager III
Employer Name: Calpine Corporation
Mailing Address: 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (516) 425-8019
Fax No.:
Email: amy.wolf@calpine.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Charles Schwertner, Texas Senate District 5
B. State Representative: Angelia Orr, Texas House District 13
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

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

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: FPEC, LLC
B. Physical Address: 1366 FM488 Unit 5
City: Fairfield
State: TX
ZIP Code: 75840
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (continued)
G. Latitude (nearest second): 31:53:37
H. Longitude (nearest second): 96:06:41
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? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
J. Indicate the estimated number of emission units in the application area: 8
K. Are there any emission units in the application area subject to the Acid Rain Program? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
XI. Public Notice (Complete this section for SOP Applications and Acid Rain Permit Applications only.)
A. Name of a public place to view application and draft permit: Fairfield Library Association Inc.
B. Physical Address: 350 W. Main St.
City: Fairfield
ZIP Code: 75840
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Brett Kerr
Contact Mailing Address: Calpine Corporation, 717 Texas St, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 830-8809

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality**

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
DR Name Prefix: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name: Robert Dewitt
DR Title: Plant Manager
Employer Name: Calpine Corporation
Mailing Address: 717 Texas Ave, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (903) 389 - 1447
Fax No.:
Email: Robert.Dewitt@calpine.com

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality**

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.

XIV. Alternate Designated Representative (ADR) Identifying Information

ADR Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)

ADR Full Name: Jaron Bergin

ADR Title: Director, Regional EH&S

Employer Name: Calpine Corporation

Mailing Address: 717 Texas Ave, Suite 1000

City: Houston

State: TX

ZIP Code: 77002

Territory:

Country: USA

Foreign Postal Code:

Internal Mail Code:

Telephone No.: (713) 332-5164

Fax No.:

Email: Jaron.Bergin@calpine.com

ATTACHMENT B 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: RN111788618	CN: CN606169704	Account No.:
Permit No.: TBA	Project No.: TBA	
Area Name: FPEC, LLC	Company Name: FPEC, LLC	
II. Certification Type <i>(Please mark the appropriate box)</i>		
<input checked="" type="checkbox"/> Responsible Official	<input type="checkbox"/> Duly Authorized Representative	
III. Submittal Type <i>(Please mark the appropriate box) (Only one response can be accepted per form)</i>		
<input checked="" type="checkbox"/> SOP/TOP Initial Permit Application	<input type="checkbox"/> Update to Permit Application	
<input type="checkbox"/> GOP Initial Permit Application	<input type="checkbox"/> Permit Revision, Renewal, or Reopening	
<input type="checkbox"/> Other: _____		
IV. Certification of Truth		
<p>This certification does not extend to information which is designated by the TCEQ as information for reference only.</p> <p>I, <u>Robert Dewitt</u> certify that I am the <u>RO</u> <i>(Certifier Name printed or typed)</i> <i>(RO or DAR)</i></p> <p>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:</p> <p><i>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).</i></p> <p>Time Period: From _____ to _____ <i>Start Date</i> <i>End Date</i></p> <p>Specific Dates: <u>05/24/2024</u> _____ <i>Date 1</i> <i>Date 2</i> <i>Date 3</i> <i>Date 4</i> <i>Date 5</i> <i>Date 6</i></p>		
<div style="display: flex; justify-content: space-between; align-items: flex-end;"><div>Signature: <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"><div style="font-size: 0.8em; margin-bottom: 2px;">DocuSigned by:</div><div style="font-family: cursive; font-size: 1.2em; margin-bottom: 2px;">Robert D Dewitt</div><div style="font-size: 0.7em; margin-top: 2px;">5BBAAE7F7A0142E...</div></div></div><div>Signature Date: <u>5/31/2024 12:22 PM CDT</u></div></div> <p>Title: <u>Plant Manager</u></p>		

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: RN111788618		CN: CN606169704		Account No:	
Permit No.: TBA			Project No.: TBA		
Area Name: FPEC, LLC			Company Name: FPEC, LLC		
II. Certification Type <i>(Please mark the appropriate box)</i>					
<input checked="" type="checkbox"/> Designated Representative			<input type="checkbox"/> Alternated Designated Representative		
III. Requirement and Submittal Type <i>(Please mark the appropriate box for each column)</i>					
Requirement: <input checked="" type="checkbox"/> Acid Rain Permit <input checked="" type="checkbox"/> CSAPR					
Submittal Type: <input checked="" type="checkbox"/> Initial Permit Application			<input type="checkbox"/> Update to Permit Application		
<input type="checkbox"/> Permit Revision or Renewal			<input type="checkbox"/> Other: _____		
IV. Certification of Truth					
<p>I, <u>Robert Dewitt</u>, the <u>DR</u></p> <p style="text-align: center;"><i>(Name printed or typed)</i> <i>(DR or ADR)</i></p> <p>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:</p> <p><i>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).</i></p> <p>Time Period: From _____ to _____</p> <p style="text-align: center;"><i>Start Date</i> <i>End Date</i></p> <p>Specific Dates: <u>05/24/2024</u> _____</p> <p style="text-align: center;"><i>Date 1</i> <i>Date 2</i> <i>Date 3</i> <i>Date 4</i> <i>Date 5</i> <i>Date 6</i></p>					
<div style="display: flex; justify-content: space-between;"><div>Signature: <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"><div style="font-size: 0.8em; margin-bottom: 2px;">DocuSigned by:</div><div style="font-family: cursive; font-size: 1.2em; margin-bottom: 2px;">Robert D Dewitt</div><div style="font-size: 0.7em; margin-top: 2px;">5BBAAE7F7A0142E...</div></div></div><div>Signature Date: <u>5/31/2024 12:22 PM CDT</u></div></div> <p>Title: <u>Plant Manager</u></p>					

ATTACHMENT C FORM OP-AR1



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

Date: 05/24/2024	Permit Name: FPEC	ORIS Code: 67500
Account No.:	RN: RN111788618	CN: CN606169704
AIRS No.:	FINDS No.:	Submission: New <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Renewal <input type="checkbox"/>

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
CTG-5	CTG-5	Yes	NO	05-01-2026	10-28-2026
CTG-6	CTG-6	Yes	NO	05-01-2026	10-28-2026
		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).

ATTACHMENT D CERTIFICATE OF REPRESENTATION



Certificate of Representation

See instructions and 40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, and 97.916, 97.1016, or a comparable state regulation, as applicable. Note that the designated representative identified on this form is also the certifying official responsible for making related submissions for the identified unit(s), under additional programs, as indicated in the instructions.

This submission is: ☒ New

☐ Revised (revised submissions must be complete; see instructions)

STEP 1
Provide
information
for the plant

FPEC, LLC	TX	67500
Plant Name	State	Plant Code
Freestone County		
County Name		
31:53:37	96:06:41	
Latitude	Longitude	

STEP 2
Enter
requested
information
for the
designated
representative

Robert Dewitt	Plant Manager		
Name	Title		
Calpine Corporation			
Company Name			
717 Texas St. Suite 1000	Houston	TX	77002
Mailing Address	City	State	Zip Code
(903)389-1447			
Phone Number	Fax Number		
Robert.Dewitt@calpine.com			
Email Address			

STEP 3
Enter
requested
information
for the
alternate
designated
representative

Jaron Bergin	Director, Regional EH&S		
Name	Title		
Calpine Corporation			
Company Name			
717 Texas Ave Suite 1000	Houston	TX	77002
Mailing Address	City	State	Zip Code
(713) 332-5164			
Phone Number	Fax Number		
Jaron.Bergin@calpine.com			
Email Address			

UNIT INFORMATION

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 ☐ CSAPR SO₂ Group 2 ☐ Texas SO₂ ☐ CSAPR NO_x Ozone Season Group 1 ☒ CSAPR NO_x Ozone Season Group 2 ☐ CSAPR NO_x Ozone Season Group 3

Additional Program(s): ☒ GHG NSPS ☐ MATS ☐ NO_x SIP Call

Unit ID# CTG-5	Unit Type CT	Source Category Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112	CTG-5	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): May 2026		Is this unit located in Indian country? Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Company Name: FPEC, LLC				<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:				<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

UNIT INFORMATION

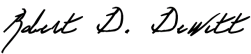

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject and enter all other unit-specific information. See instructions for details.

Applicable Program(s): ☒ Acid Rain ☐ CSAPR NO_x Annual ☐ CSAPR SO₂ Group 1 **Additional Program(s):** ☒ GHG NSPS
☐ CSAPR NO_x Ozone Season Group 1 ☐ CSAPR SO₂ Group 2 ☐ MATS
☒ CSAPR NO_x Ozone Season Group 2 ☐ Texas SO₂ ☐ NO_x SIP Call
☐ CSAPR NO_x Ozone Season Group 3

Unit ID# CTG-6	Unit Type CT	Source Category Electric Utility		Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CSAPR / Texas SO ₂ / Other Nameplate Capacity (MWe)
		NAICS Code 221112		CTG-6	221	221
Enter the date the unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): May 2026			Is this unit located in Indian country? Check One: <input type="checkbox"/> Actual Date <input checked="" type="checkbox"/> Projected Date	Has this unit ever operated at another location? Check One: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Company Name: FPEC, LLC					<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator	
Company Name:					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	
Company Name:					<input type="checkbox"/> Owner <input type="checkbox"/> Operator	

General

I 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 and information 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.

<div>DocuSigned by:  5BBAAE7F7A0142E...</div> <div>Signature (Designated Representative)</div>	<div>5/22/2024 9:39 AM CDT</div> <div>Date</div>
<div>DocuSigned by:  9C82C4189207483...</div> <div>Signature (Alternate Designated Representative)</div>	<div>5/22/2024 9:39 AM CDT</div> <div>Date</div>



Instructions for the Certificate of Representation

NOTE: The Certificate of Representation information can be submitted online through the CAMD Business System (CBS), which can be accessed at <https://camd.epa.gov/CBS/login/auth>. See the Certificate of Representation section of the Help File in CBS for assistance. If you have questions about CBS, send an email to cbs-support@camdsupport.com.

You must have a username and password to access CBS. You can obtain a username and password if:

(1) you are currently listed in the CAMD database as a designated representative or an agent for a designated representative, **AND** (2) CAMD has received and processed a hard copy of the Electronic Signature Agreement at found on the [Business Center Forms](#) page. Once a person's Electronic Signature Agreement is processed, they will receive instructions to obtain a username and password.

Please type or print. Submit a separate page 2 for each unit at the plant (source) subject to the Acid Rain Program (ARP), a Cross-State Air Pollution Rule (CSAPR) trading program, or the Texas SO₂ Trading Program (TXSO₂). Include units for which a Retired Unit Exemption notice has been submitted. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the upper right-hand corner of page 2. **A Certificate of Representation amending an earlier submission supersedes the earlier submission in its entirety and must therefore always be complete.** Submit one Certificate of Representation form with original signature(s). NO FIELDS SHOULD BE LEFT BLANK.

Note that because all emissions and monitoring plan data submitted (or resubmitted) through to EPA's Emissions Collection and Monitoring Plan System (ECMPS) for a unit for a given time period must be contained in one internally consistent datafile, the designated representative identified on this form is also the certifying official responsible for making submissions concerning the identified unit(s) where required by additional programs, including the Greenhouse Gas New Source Performance Standards program under 40 CFR part 60, subpart TTTT (NSPS4T), the Mercury and Air Toxics Standards program under 40 CFR part 63, subpart UUUUU (MATS), and state programs implementing the NO_x SIP Call under 40 CFR 51.121 (SIPNOX).

STEP 1

- (i) A plant code is a number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to plants that generate electricity. For older plants, "plant code" is synonymous with "ORISPL" and "facility" codes. If the plant generates electricity but no plant code has been assigned, or if there is uncertainty regarding what the plant code is, send an email to the EIA at EIA-860@eia.gov. For plants that do not produce electricity, use the plant identifier assigned by EPA (beginning with "88").
- (ii) Enter the latitude and longitude representing the location of the plant. Note that coordinates **MUST** be submitted in decimal degree format; in this format minutes and seconds are represented as a decimal fraction of one degree. Therefore, coordinates containing degrees, minutes, and seconds must first be converted using the formula:

$$\text{decimal degrees} = \text{degrees} + (\text{minutes} / 60) + (\text{seconds} / 3600)$$

Example: 39 degrees, 15 minutes, 25 seconds = $39 + (15 / 60) + (25 / 3600) = 39.2569$ degrees

STEPS 2 & 3

The designated representative and the alternate designated representative must be individuals (i.e., natural persons). Enter the associated company name and address of the representative as it should appear on all correspondence. Most correspondence will be emailed. **Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.**

There may be only one designated representative and one alternate designated representative for a plant.

STEP 4

- (i) Complete one page for each unit subject to the ARP, CSAPR, or TXSO₂ programs, and indicate the program(s) that the unit is subject to. Also indicate if the unit is subject to the MATS, NSPS4T, and/or SIPNOX programs. Identify each unit at the plant by providing the appropriate unit identification

number, consistent with the identifiers used in previously submitted Certificates of Representation (if applicable) and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each submission to EPA that includes the unit identification number(s) (e.g., monitoring plans and quarterly reports) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation. Do not identify units that are not subject to the above-listed programs but are part of a common monitoring configuration with a unit that is subject to any of these programs. To identify units in a common monitoring configuration that are not subject to any of these programs, call the CAMD Hotline at (202) 343-9620, and leave a message under the "Continuous Emissions Monitoring" submenu.

- (ii) Identify the type of unit using one of the following abbreviations:

<u>Boilers</u>		<u>Boilers</u>		<u>Turbines</u>	
AF	Arch-fired boiler	OB	Other boiler	CC	Combined cycle combustion turbine
BFB	Bubbling fluidized bed boiler	PFB	Pressurized fluidized bed boiler	CT	Simple cycle combustion turbine
C	Cyclone boiler	S	Stoker boiler	IGC	Integrated gasification combined cycle
CB	Cell burner boiler	T	Tangentially-fired boiler	<u>Other</u>	
CFB	Circulating fluidized bed boiler	WBF	Wet bottom wall-fired boiler		
DB	Dry bottom wall-fired boiler	WBT	Wet bottom turbo-fired boiler		ICE Internal combustion engine
DTF	Dry bottom turbo-fired boiler	WVF	Wet bottom vertically-fired boiler		KLN Cement kiln
DVF	Dry bottom vertically-fired boiler			PRH	Process heater

- (iii) Indicate the source category description that most accurately describes the purpose for which the unit is operated by entering one of the following terms.

- Electricity generation
- Useful thermal energy production (i.e., production of process heat and/or steam for uses other than electricity production)
- Cogeneration (i.e., both electricity generation and useful thermal energy production through the sequential use of energy)

- (iv) Provide the primary North American Industrial Classification System (NAICS) code that most accurately describes the business type for which the unit is operated. If unknown, go to <https://www.census.gov/eos/www/naics> for guidance on how to determine the proper NAICS code for the unit.

- (v) Enter the date the unit began (or will begin) serving any generator producing electricity for sale, including test generation. Enter this date and check the "actual" box for any unit that has begun to serve a generator producing electricity for sale as of the date of submission of this form. (This information should be provided even if the unit does not currently serve a generator producing electricity for sale.) For any unit that will begin, but has not begun as of the date of submission of this form, to serve a generator producing electricity for sale, estimate the future date on which the unit will begin to produce electricity for sale and check the "projected" box. When the actual date is established, revise the form accordingly by entering the actual date and checking the "actual" box. Enter "NA" if the unit has not ever served, is not currently serving, and is not projected to serve, a generator that produces electricity for sale.
- (vi) For a unit that, as of the date of submission of this form, serves one or more generators (whether or not the generator produces electricity for sale), enter the generator ID number(s) and the nameplate capacity (in MWe, rounded to the nearest tenth) of each generator served by the unit. A unit serves a generator if the unit produces, or is able to produce, steam, gas, or other heated medium for generating electricity at that generator. For combined cycle units, report separately the nameplate capacities of the generators associated with the combustion turbine and the steam turbine. Please ensure that the generator ID numbers entered are consistent with those reported to the EIA.

A nameplate capacity should be entered in the "Acid Rain" column for each generator served by a unit subject to the ARP, and a nameplate capacity should be entered in the "CSAPR / Texas SO₂ / Other" column for each generator served by a unit subject to any of the other programs indicated on the form (including units that are also subject to the ARP). The nameplate capacity entered in the "Acid Rain" column where a unit is listed in the National Allowance Database (NADB) should be the nameplate capacity as shown in the NADB. The nameplate capacity entered in the "Acid Rain" column where a unit is not listed in the NADB, and the nameplate capacity entered in the "CSAPR / Texas SO₂ / Other" column where a unit is subject to any programs other than the ARP, generally should be the higher of (i) the nameplate capacity as of the generator's initial installation or (ii) the nameplate capacity following physical changes that result in an increase in the maximum electrical generating output that the generator can produce on a steady-state basis when not restricted by seasonal or other deratings. To the extent consistent with the preceding sentences, use the nameplate capacity reported to EIA for each generator on Form EIA-860. Enter "NA" if, as of the date of submission of this form, the unit does not serve a generator.

For the full definitions of "nameplate capacity", see 40 CFR 72.2, 97.402, 97.502, 97.602, 97.702, 97.802, 97.902, and 97.1002 as applicable. The NADB is available at <https://www.epa.gov/airmarkets/clean-air-markets-allowance-markets#Allocated>.

Enter the company name of each owner and operator in the "Company Name" field. Indicate whether the company is the owner, operator, or both. For new units, if the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form when the operator has been selected within 30 days of the effective date of the selection. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change. You are strongly encouraged to use the CAMD Business System to provide updated information on owners and operators. See the Certificate of Representation section of the Help File found at the top right of any screen in CBS, including the homepage, for assistance.

- (vii) Indicate whether or not the unit is located in Indian country. "Indian country" generally includes all lands within any federal Indian reservation, all dependent Indian communities, and all Indian allotments for which the Indian titles have not been extinguished. For the full definition of "Indian country", see 18 U.S.C. § 1151.
- (viii) When identifying a unit at a plant for the first time, indicate whether or not the unit ever operated at another location. If the answer is "yes", EPA will contact the owners/operator for more information.

STEP 5

Read the applicable certification statements, sign, and date.

Mail the completed, signed form to **one** of the following addresses (**note the different zip codes**):

Regular or Certified mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
Mail Code 6204A
Washington, DC **20460**

Overnight mail:

U.S. EPA
CAMD – Market Operations Branch
Attn: Designated Representative
1200 Pennsylvania Avenue, NW
WJC South, 4th Floor, Room # 4153C
Washington, DC **20004**
(202) 564-8717

Submit this form prior to making any other submissions under the ARP, CSAPR, or TXSO₂ programs. Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. You are strongly encouraged to use the CAMD Business System to provide updated information. See the Certificate of Representation section of the Help File in CBS for assistance.

Paperwork Burden Estimate

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control Nos. 2060-0258 and 2060-0667). Responses to this collection of information are mandatory (40 CFR 72.24, 97.416, 97.516, 97.616, 97.716, 97.816, 97.916 and 97.1016). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 15 hours per response annually. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

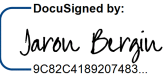
Certificate Of Completion

Envelope Id: 0D8D42C966A94E0FA8CC46AE214891D6	Status: Completed
Subject: Complete with DocuSign: certificate_of_representation_FPEC_May2024.pdf	
Source Envelope:	
Document Pages: 8	Signatures: 2
Certificate Pages: 5	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelope Stamping: Disabled	Amy Wolf
Time Zone: (UTC-06:00) Central Time (US & Canada)	717 Texas Ave.
	Houston, TX 77002
	Amy.Wolf@calpine.com
	IP Address: 204.209.130.5

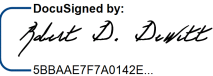
Record Tracking

Status: Original	Holder: Amy Wolf	Location: DocuSign
5/20/2024 2:44:58 PM	Amy.Wolf@calpine.com	

Signer Events	Signature	Timestamp
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Jaron Bergin	<div>DocuSigned by:  9C82C4189207483...</div>	Sent: 5/20/2024 2:47:37 PM
Jaron.Bergin@calpine.com		Viewed: 5/22/2024 9:39:21 AM
EHS Director		Signed: 5/22/2024 9:39:36 AM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 139.138.155.254	

Electronic Record and Signature Disclosure:
Accepted: 5/22/2024 9:39:21 AM
ID: e0f9aa35-8b25-4356-982c-e73a6315d5ff

Robert D. DeWitt	<div>DocuSigned by:  5BBAAE7F7A0142E...</div>	Sent: 5/20/2024 2:47:37 PM
robert.dewitt@calpine.com		Viewed: 5/21/2024 7:54:26 AM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 139.138.141.214	Signed: 5/21/2024 7:56:12 AM

Electronic Record and Signature Disclosure:
Accepted: 5/21/2024 7:54:26 AM
ID: 38d4878a-8ab0-4f74-92a7-87385231ee8c

In Person Signer Events	Signature	Timestamp
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Editor Delivery Events	Status	Timestamp
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Agent Delivery Events	Status	Timestamp
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Intermediary Delivery Events	Status	Timestamp
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Certified Delivery Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	5/20/2024 2:47:37 PM
Certified Delivered	Security Checked	5/21/2024 7:54:26 AM

Envelope Summary Events	Status	Timestamps
Signing Complete	Security Checked	5/21/2024 7:56:12 AM
Completed	Security Checked	5/22/2024 9:39:36 AM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

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To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at gus.dahu@calpine.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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- ii. send us an email to gus.dahu@calpine.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Calpine Corporation as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Calpine Corporation during the course of your relationship with Calpine Corporation.

Certificate Of Completion

Envelope Id: 4AF5BAB96C404BEEB7D052E6707FCD29	Status: Completed
Subject: Complete with DocuSign: Abbreviated TV Package 2024-0523.pdf	
Source Envelope:	
Document Pages: 28	Signatures: 2
Certificate Pages: 4	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelope Stamping: Disabled	Amy Wolf
Time Zone: (UTC-06:00) Central Time (US & Canada)	717 Texas Ave.
	Houston, TX 77002
	Amy.Wolf@calpine.com
	IP Address: 204.209.130.5

Record Tracking

Status: Original	Holder: Amy Wolf	Location: DocuSign
5/31/2024 11:24:55 AM	Amy.Wolf@calpine.com	

Signer Events	Signature	Timestamp
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Robert D DeWitt	<div>DocuSigned by:  5BBAAE7F7A0142E...</div> <div>Signature Adoption: Pre-selected Style</div> <div>Using IP Address: 166.205.58.46</div> <div>Signed using mobile</div>	Sent: 5/31/2024 11:26:03 AM
robert.dewitt@calpine.com		Viewed: 5/31/2024 12:21:30 PM
Security Level: Email, Account Authentication (None)		Signed: 5/31/2024 12:22:27 PM

Electronic Record and Signature Disclosure:
Accepted: 5/31/2024 12:21:30 PM
ID: 69fe8044-c926-4069-80be-eb320282267b

In Person Signer Events	Signature	Timestamp
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Editor Delivery Events	Status	Timestamp
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Intermediary Delivery Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	5/31/2024 11:26:03 AM
Certified Delivered	Security Checked	5/31/2024 12:21:30 PM
Signing Complete	Security Checked	5/31/2024 12:22:27 PM
Completed	Security Checked	5/31/2024 12:22:27 PM

Payment Events	Status	Timestamps
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- ii. send us an email to gus.dahu@calpine.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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