

Texas Commission on Environmental Quality

Title V Existing

2084

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	CHANNEL ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718888
Longitude (W) (-###.#####)	95.231944
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)?	RN100213107
What is the name of the Regulated Entity (RE)?	CHANNEL ENERGY CENTER
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718611
Longitude (W) (-###.#####)	-95.231666
Facility NAICS Code	
What is the primary business of this entity?	ELECTRIC POWER GENERATION & STEAM PROD

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601549132
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Channel Energy Center, LLC
Texas SOS Filing Number	14044711
Federal Tax ID	770555137
State Franchise Tax ID	17705551376
State Sales Tax ID	

Local Tax ID	
DUNS Number	139020189
Number of Employees	0-20
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	CALPINE CORPORATION
Prefix	MR
First	JARON
Middle	
Last	BERGIN
Suffix	
Credentials	
Title	DIRECTOR, ENVIRONMENTAL, HEALTH & SAFETY

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
Routing (such as Mail Code, Dept., or Attn:)	STE 1000
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	7135704631
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing DR contact or enter a new contact.

Organization Name	JARON BERGIN(CALPINE CORPORA...)
Prefix	CALPINE CORPORATION
First	MR
Middle	JARON
Last	BERGIN
Suffix	
Credentials	
Title	DIRECTOR, ENVIRONMENTAL, HEALTH & SAFETY

Enter new address or copy one from list:

Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)
Routing (such as Mail Code, Dept., or Attn:)
City
State
Zip
Phone (###-###-####)
Extension
Alternate Phone (###-###-####)
Fax (###-###-####)
E-mail

717 TEXAS ST
STE 1000
HOUSTON
TX
77002
7135704631

jaron.bergin@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

DALE DUNN(CALPINE CORPORA...)

Organization Name

CALPINE CORPORATION

Prefix

MR

First

DALE

Middle

Last

DUNN

Suffix

Credentials

Title

EHS SPECIALIST III

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

PO BOX 1537

Routing (such as Mail Code, Dept., or Attn:)

City

PASADENA

State

TX

ZIP

77501

Phone (###-###-####)

7134011232

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

ddunn@calpine.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 43 Min 8 Sec

3) Permit Longitude Coordinate:

95 Deg 13 Min 55 Sec

4) Is this submittal a new application or an update to an existing application?

Update

4.1. Select the permit/project number for which this update should be applied.

2084-36471

5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule

Yes

requirements?

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

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-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name

[OP-UA6 Tbls 3a-3e 02212025.pdf](/ePermitsExternal/faces/file?fileId=241750)

Hash

B776971652CF63A7620AED80B17287D3FC4A653A9B554D612FF5DED41FA116E1

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 Void Request Form

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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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: Jaron J Bergin OWNER OPERATOR

Account Number:	ER003191
Signature IP Address:	104.57.80.177
Signature Date:	2025-02-21
Signature Hash:	F0221D4094328B67A5461668E2C77A6EAEA308BA14CBD29B75E77953D3C5086D
Form Hash Code at time of Signature:	207E3A03F322A45093771DBF6C3C4E779B61957EAFDF38F01638C99117C14EB

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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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: Jaron J Bergin OWNER OPERATOR

Account Number:	ER003191
Signature IP Address:	104.57.80.177
Signature Date:	2025-02-21
Signature Hash:	F0221D4094328B67A5461668E2C77A6EAEA308BA14CBD29B75E77953D3C5086D
Form Hash Code at time of Signature:	207E3A03F322A45093771DBF6C3C4E779B61957EAFDF38F01638C99117C14EB

Submission

Reference Number:

The application reference number is 761288

Submitted by:

The application was submitted by
ER003191/Jaron J Bergin

Submitted Timestamp:

The application was submitted on 2025-02-21
at 13:34:15 CST

Submitted From:

The application was submitted from IP address
104.57.80.177

Confirmation Number:

The confirmation number is 632209

Steers Version:

The STEERS version is 6.87

Permit Number:

The permit number is 2084

Additional Information

Application Creator: This account was created by Laura M Huff

**Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)**

Federal Operating Permit Program

Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/21/2025	02084	RN100213107

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, AAAA, or CCCC	Subpart KKKK	Subpart Cb or BBBB	Temporary Boiler
GRPAUXBOIL	60Db-FG-1	97-05C	250+	NO	NO	NO	NO	NO	NO
GRPAUXBOIL	60Db-MG-1	97-05C	250+	NO	NO	NO	NO	NO	NO
GRPAUXBOIL	60Db-NG-1	97-05C	250+	NO	NO	NO	NO	NO	NO
GTG/HRSG1	60Db	05+M	250+	NO	NO	NO	YES		
GTG/HRSG2	60Db	05+M	250+	NO	NO	NO	YES		
GTG/HRSG3	60Db	05+CR	250+	NO	NO	NO	YES		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 7)
Federal Operating Permit Program
Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/21/2025	02084	RN100213107

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Subpart D	Additional Applicability Requirement	ACF Option SO ₂	ACF Option PM	ACF Option NO _x
GRPAUXBOIL	60Db-FG-1	GFF				NONE	OTHR	OTHR	OTHR
GRPAUXBOIL	60Db-MG-1	NG	GFF			NONE	OTHR	OTHR	OTHR
GRPAUXBOIL	60Db-NG-1	NG				NONE	OTHR	OTHR	OTHR

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 8)
Federal Operating Permit Program
Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/21/2025	02084	RN100213107

Unit ID No.	SOP Index No.	60.42b (k)(2) Low Sulfur Exemption	60.42b (k)(4) Alternative	Post-Combustion Control	60.43b(h)(2) Alternative	Electrical or Mechanical Output	Output Based Limit	60.49 Da(n) Alternative	60.49 Da(m) Alternative
GRPAUXBOIL	60Db-FG-1					NO			
GRPAUXBOIL	60Db-MG-1					NO			
GRPAUXBOIL	60Db-NG-1					NO			

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 9)
Federal Operating Permit Program
Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/21/2025	02084	RN100213107

Unit ID No.	SOP Index No.	Residual Oil Sampling	Monitoring Type PM	Monitoring Type PM (Opacity)	Monitoring Type NO _x	Monitoring Type SO ₂	Technology Type	Unit Type	Heat Release Rate	Heat Input Gas/Oil	Heat Input Wood	Fuel Heat Input
GRPAUXBOIL	60Db-FG-1		NONE	NONE	CEM	NONE	NONE	OTHER				
GRPAUXBOIL	60Db-MG-1		NONE	NONE	CEM	NONE	NONE	OTHER	NGHIGH			
GRPAUXBOIL	60Db-NG-1		NONE	NONE	CEM	NONE	NONE	OTHER	NGHIGH			

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 10)
Federal Operating Permit Program
Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/21/2025	02084	RN100213107

Unit ID No.	SOP Index No.	Alternate Emission Limit (AEL)	AEL ID. NO.
GRPAUXBOIL	60Db-FG-1		
GRPAUXBOIL	60Db-MG-1		
GRPAUXBOIL	60Db-NG-1		

From: Jaron Bergin <Jaron.Bergin@calpine.com>
Sent: Thursday, January 9, 2025 11:53 AM
To: Robert Hunter; Dale Dunn
Cc: laura.huff@powereng.com; larry.moon@powereng.com; Sharon Osorio
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center
Attachments: STEERS Title V Application Submittal (Update); 1.8.25 OP-CRO2 DR.pdf; 1.8.25 OP-CRO2 RO.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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

Mr. Hunter,

Please see the attached OP-CRO2 forms that were submitted this morning in STEERS. Ed Simcik has retired from Calpine effective 1/6/25, and I will be taking over as RO and DR.

Thanks.

Jaron Bergin

Director, Environmental, Health, & Safety

Calpine Corporation

Phone: 713.570.4631 | **Mobile:** 713.408.4867

Email: jaron.bergin@calpine.com

717 Texas Ave, Ste 1000, Houston, TX 77002



From: Robert Hunter <Robert.Hunter@tceq.texas.gov>
Sent: Tuesday, January 7, 2025 1:51 PM
To: Dale Dunn <Dale.Dunn@calpine.com>
Cc: Jaron Bergin <Jaron.Bergin@calpine.com>; laura.huff@powereng.com; larry.moon@powereng.com; Sharon Osorio <Sharon.osorio@calpine.com>
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

 **EXTERNAL SENDER** 

Do not click links, open attachments or enter your ID/Password unless you recognize the sender and are certain the content is safe. If anything appears suspicious, report it.

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?

Thank you, Dale.

Sincerely,

Robert P. Hunter

Title V Permit Reviewer
OA/Air Permits Division/OP Section
MC-163, P.O. Box 13087
Austin, TX 78711-3087
robert.hunter@tceq.texas.gov

Phone: (512) 239-1244
Fax: (512) 239-1400



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

From: Dale Dunn <Dale.Dunn@calpine.com>

Sent: Tuesday, January 7, 2025 1:27 PM

To: Robert Hunter <Robert.Hunter@tceq.texas.gov>

Cc: Jaron Bergin <Jaron.Bergin@calpine.com>; laura.huff@powereng.com; larry.moon@powereng.com; Sharon Osorio <Sharon.osorio@calpine.com>

Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

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

Mr. Hunter:

Please see the attached forms that were submitted previously in the application process.

Sincerely,

Dale Dunn

EHS Specialist III
Calpine Corporation
Pasadena Cogeneration / Channel Energy Center
Phone: 713.401.1232 | **Mobile:** 956.638.2153
Email: ddunn@calpine.com
955 Phillips Company Rd., Pasadena, TX 77506



From: Robert Hunter <Robert.Hunter@tceq.texas.gov>
Sent: Monday, January 6, 2025 5:18 PM
To: Dale Dunn <Dale.Dunn@calpine.com>
Cc: Jaron Bergin <Jaron.Bergin@calpine.com>; laura.huff@powereng.com; larry.moon@powereng.com; Sharon Osorio <Sharon.osorio@calpine.com>
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

⚠ 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?

Hello Mr. Dale Dunn,

Please submit an OP-DEL and OP-CRO2 to appoint Jaron Bergin to the DAR role by **01/13/2024**. On the OP-CRO2 use an effective date as 09-27-2024 or prior, since the application updates submitted via STEERS on 09-27-2024 and 11-06-2024 were certified by Jaron Bergin.

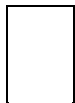
Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1.

Please notify me when these updates have been submitted.

Sincerely,

Robert P. Hunter

Title V Permit Reviewer
OA/Air Permits Division/OP Section
MC-163, P.O. Box 13087
Austin, TX 78711-3087
robert.hunter@tceq.texas.gov
Phone: (512) 239-1244
Fax: (512) 239-1400



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

From: Robert Hunter
Sent: Monday, January 6, 2025 12:16 PM
To: Sharon Osorio <Sharon.osorio@calpine.com>
Cc: Jaron Bergin <Jaron.Bergin@calpine.com>; laura.huff@powereng.com; larry.moon@powereng.com; Dale Dunn <Dale.Dunn@calpine.com>
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channuel Energy Center, LLC/ Channel Energy Center

Hey Sharon,

Yes you may have an extension until 01/10/2025. Let me know if you have any questions or concerns.

Regards,

Robert Hunter (x1244)
Title V Permit Reviewer

From: Sharon Osorio <Sharon.osorio@calpine.com>
Sent: Thursday, December 26, 2024 7:10 AM
To: Robert Hunter <Robert.Hunter@tceq.texas.gov>
Cc: Jaron Bergin <Jaron.Bergin@calpine.com>; laura.huff@powereng.com; larry.moon@powereng.com; Dale Dunn <Dale.Dunn@calpine.com>
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

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 Robert,

Most of the team is out of the office for the holidays. May we request an extension until 1/10/2025 so that we have time to work on this when everyone returns to the office?

Thanks,

Sharon Osorio
EHS Project Manager II
Calpine Corporation
Phone 302.468.5333 | **Mobile** 808.430.6885
Email sharon.osorio@calpine.com
6 Hillman Drive, Suite 201, Chadds Ford, PA 19317



From: Robert Hunter <Robert.Hunter@tceq.texas.gov>
Sent: Friday, December 20, 2024 4:22 PM
To: Dale Dunn <Dale.Dunn@calpine.com>
Cc: Sharon Osorio <Sharon.osorio@calpine.com>; Jaron Bergin <Jaron.Bergin@calpine.com>;
laura.huff@powereng.com; larry.moon@powereng.com
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

Some people who received this message don't often get email from robert.hunter@tceq.texas.gov. [Learn why this is important](#)

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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 afternoon Dale,

After further review there is more information needed to complete the renewal application. Please provide the following item by **12/27/2024**:

- PBRs 106.102/09/04/2000 & 106.122/09/04/2000 were submitted on the OP-PBRSUP but they were not included on OP-REQ1 page 88. Please update the OP-REQ1 to include PBRs 106.102 and 106.122 and submit an updated OP-REQ1 page 88 only.

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.

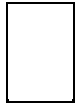
Thank you for your cooperation.

Sincerely,

Robert P. Hunter

Title V Permit Reviewer
OA/Air Permits Division/OP Section
MC-163, P.O. Box 13087
Austin, TX 78711-3087
robert.hunter@tceq.texas.gov

Phone: (512) 239-1244
Fax: (512) 239-1400



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

From: laura.huff@powereng.com <laura.huff@powereng.com>
Sent: Tuesday, November 5, 2024 2:00 PM
To: Robert Hunter <Robert.Hunter@tceq.texas.gov>; larry.moon@powereng.com
Cc: Dale Dunn <Dale.Dunn@calpine.com>; Sharon Osorio <Sharon.osorio@calpine.com>; jaron.bergin@calpine.com
Subject: RE: Technical Review -- FOP O2084/Project 36471, Channel Energy Center, LLC/ Channel Energy Center

Hi Robert,

We appreciate the opportunity to review the updated WDP and have no comments. The OP-MON forms requested below will be submitted via STEERS.

Thanks,
Laura

LAURA HUFF, P.E.
SR PROJECT ENGINEER II

512-879-4341
972-489-9648 cell

POWER Engineers, Inc.
www.powereng.com



From: Robert Hunter <Robert.Hunter@tceq.texas.gov>
Sent: Wednesday, October 23, 2024 3:45 PM
To: Moon, Larry <larry.moon@powereng.com>
Cc: Dale Dunn <Dale.Dunn@calpine.com>; Sharon Osorio <Sharon.osorio@calpine.com>; Huff, Laura

Texas Commission on Environmental Quality

Title V Existing

2084

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	CHANNEL ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718888
Longitude (W) (-###.#####)	95.231944
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)?	RN100213107
What is the name of the Regulated Entity (RE)?	CHANNEL ENERGY CENTER
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718611
Longitude (W) (-###.#####)	-95.231666
Facility NAICS Code	
What is the primary business of this entity?	ELECTRIC POWER GENERATION & STEAM PROD

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601549132
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Channel Energy Center, LLC
Texas SOS Filing Number	14044711
Federal Tax ID	770555137
State Franchise Tax ID	17705551376
State Sales Tax ID	

Local Tax ID	
DUNS Number	139020189
Number of Employees	0-20
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Environmental, Health & Safety
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
Routing (such as Mail Code, Dept., or Attn:)	Suite 1000
City	HOUSTON
State	TX
ZIP	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergin@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing DR contact or enter a new contact.	New Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Environmental, Health & Safety
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

Routing (such as Mail Code, Dept., or Attn:)	Suite 1000
City	HOUSTON
State	TX
Zip	77002
Phone (###-###-####)	7133325164
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jaron.bergincalpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:	
Select existing ADR contact or enter a new contact.	New Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Environmental, Health and Safety
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	717 Texas Avenue
Routing (such as Mail Code, Dept., or Attn:)	Suite 1000
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:	
Select existing TC contact or enter a new contact.	DALE DUNN(CALPINE CORPORA...)
Organization Name	CALPINE CORPORATION
Prefix	MR
First	DALE
Middle	
Last	DUNN
Suffix	

Credentials	
Title	EHS SPECIALIST III
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1537
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77501
Phone (###-###-####)	7134011232
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	ddunn@calpine.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 43 Min 8 Sec
3) Permit Longitude Coordinate:	95 Deg 13 Min 55 Sec
4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	2084-36471
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
5.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Designated Representative

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

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 2025-0106.pdf
Hash	0B91E5B29E54A25D952237B763A51159DED4D0310F072323054FC0D8DF1EB9A2
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)

Attach OP-SUMR (Individual Unit Summary for Revisions)

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)

[File Properties]

File Name

OP_CRO2_1.8.25 OP-CRO2 DR.pdf

Hash

D7F1B36FE8A041BF6DEEDA2A5E0B7C79EA1C9A4EEBB0F8D672DDDD6914E7801A

MIME-Type

application/pdf

[File Properties]

File Name

OP_CRO2_1.8.25 OP-CRO2 RO.pdf

Hash

8F816455F5A23811EF95BA95B509B90DF43A017561B26579FD6FD0A92CC22192

MIME-Type

application/pdf

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

1.7.25 Jaron Bergin CBS_Certificate of Representation_Channel Energy Center (55299) - TX_Representatives.pdf

Hash

CAF562687B284E68DED9DD6F24653E63D529971B46AF10200917C15E9DD1BEC9

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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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: Jaron J Bergin OWNER OPERATOR

Account Number:	ER003191
Signature IP Address:	4.49.79.26
Signature Date:	2025-01-09
Signature Hash:	423B66261EF529B6831C097FDC956669B60F41ACE6385F61C1AAED2232B60276
Form Hash Code at time of Signature:	E1445AAE0A21F44C1210CB267E9FF30E1590C37950E8BD9F8B97B2E44B99A1F7

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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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Form Hash Code at time of Signature:	E1445AAE0A21F44C1210CB267E9FF30E1590C37950E8BD9F8B97B2E44B99A1F7

Submission

Reference Number:	The application reference number is 742414
Submitted by:	The application was submitted by ER003191/Jaron J Bergin
Submitted Timestamp:	The application was submitted on 2025-01-09 at 11:32:02 CST

Submitted From:

The application was submitted from IP address
4.49.79.26

Confirmation Number:

The confirmation number is 617529

Steers Version:

The STEERS version is 6.85

Permit Number:

The permit number is 2084

Additional Information

Application Creator: This account was created by Laura M Huff

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

Date:	01/06/2025
Permit No.:	O2084
RN No.:	RN100213107

For SOP applications, answer ALL questions unless otherwise directed.

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

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.: 106.371	Version No./Date: 09/04/2000
PBR No.: 106.412	Version No./Date: 09/04/2000
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.474	Version No./Date: 09/04/2000
PBR No.: 106.477	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.532	Version No./Date: 09/04/2000
PBR No.: 106.102	Version No./Date: 09/04/2000
PBR No.: 106.122	Version No./Date: 09/04/2000
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:

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Channel Energy Center, LLC

AUTHORIZING THE OPERATION OF
Channel Energy Center
Fossil Fuel Electric Power Generation

LOCATED AT
Harris County, Texas
Latitude 29° 43' 8" Longitude 95° 13' 55"
Regulated Entity Number: RN100213107

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

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

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

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

Permit No: O2084 Issuance Date: _____

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
 - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.302 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
 - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
 - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
 - (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
 - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
 - (v) Title 30 TAC § 101.359 (relating to Reporting)
 - (vi) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (vii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

- (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- 2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
 - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
- 3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
 - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:
 - (i) Title 30 TAC § 111.145 (relating to Construction and Demolition)
 - (ii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)
 - (iii) Title 30 TAC § 111.149 (relating to Parking Lots)
- C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
6. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):
 - A. Title 40 CFR § 63.11111(e), for records of monthly throughput
 - B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput
 - C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput
 - D. Title 40 CFR § 63.11115(a), for operation of the source
 - E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices
 - F. Title 40 CFR § 63.11116(b), for records availability
 - G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

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

New Source Review Authorization Requirements

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated March 15, 2024 in the application for project 36471), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield

9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
11. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Requirements of the Electric Generating Unit Standard Permit for facilities located in the East Texas region based on the information contained in the registration application.

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
13. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
 - A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
 - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
 - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
 - (ii) For electric generating facilities in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020(2)(B)
 - B. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
14. Use of Emission Credits to comply with applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
 - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
15. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

- 16. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

- 17. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Temporary Fuel Shortages (30 TAC § 112.15)

- 18. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
 - A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
 - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)
 - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
 - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

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

Permit Shield (30 TAC § 122.148)

- 20. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only

requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

21. For units GTG/HRSG1, GTG/HRSG2, and GTG/HRSG3 (identified in the Certificate of Representation as units CTG1, CTG2, and CTG3), located at the affected source identified by ORIS/Facility/Plant code 55299, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

- (i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.
- (ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.
- (iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.
- (iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.
- (v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

- (i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained in 40 CFR Part 75.
- (ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for 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.

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

- (1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.
- (2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

- (i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.
 - (1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
 - (2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.
 - (4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.
- (ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

- (i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).
- (ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.
- (iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.
- (iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

- (v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.
 - (vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.
 - (vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.
- H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:
- (i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.
 - (ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.
 - (iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.
 - (iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
 - (v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.
- I. The number of SO₂ allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

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

22. For units GTG/HRSG1, GTG/HRSG2, and GTG/HRSG3 (identified in the Certificate of Representation as units CTG1, CTG2, and CTG3), located at the site identified by Plant code/ORIS/Facility code 55299, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

- A. General Requirements

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

B. Description of CSAPR Monitoring Provisions

- (i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.
 - (1) For unit(s) GTG/HRSG1, GTG/HRSG2, and GTG/HRSG3, the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.
- (ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.
- (iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources>.
- (iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <https://www.epa.gov/airmarkets/part-75-petition-responses>.
- (v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at <https://www.epa.gov/airmarkets/part-75-petition-responses>.

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

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

A. Designated representative requirements

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

B. Emissions monitoring, reporting, and recordkeeping requirements

- (i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).
- (ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811(a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

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

- (2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:
 - (a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824(d); and
 - (b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.
- (ii) CSAPR NO_x Ozone Season Group 2 assurance provisions
 - (1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825(b), of multiplying -
 - (a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and
 - (b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.
 - (2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

- (3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810(a) and the state's variability limit under 40 CFR § 97.810(b).
- (4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.
- (5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,
 - (a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and
 - (b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

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

(iv) Vintage of allowances held for compliance

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

Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

- (v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.
- (vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:
 - (1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and
 - (2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.
- (vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

- (i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.
- (ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

- (i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.
 - (1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided

that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

- (2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.
- (ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

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

G. Effect on other authorities

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EMENG1	SRIC ENGINES	N/A	63ZZZZ-ENG-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMENG2	SRIC ENGINES	N/A	63ZZZZ-ENG-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMERGAIRCOMP	SRIC ENGINES	N/A	63ZZZZ-ENG-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPAUXBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	B-1, B-2, B-3	R7300-MSS-2	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a)., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a).
GRPAUXBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	B-1, B-2, B-3	R7300-NORMAL- 2	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option., NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).
GRPAUXBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	B-1, B-2, B-3	60Db-FG-1	40 CFR Part 60, Subpart Db	D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.
GRPAUXBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	B-1, B-2, B-3	60Db-MG-1	40 CFR Part 60, Subpart Db	Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft ³ ., D-Series Fuel Type #1 = Natural gas., D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPAUXBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	B-1, B-2, B-3	60Db-NG-1	40 CFR Part 60, Subpart Db	Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft ³ ., D-Series Fuel Type #1 = Natural gas.
GRPAUXSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	AUXBOIL-3, AUXBOIL1, AUXBOIL2	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	R7300-MSS-1	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425., Service Type = Stationary gas turbine.
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	R7300-MSS-2	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425., Service Type = Duct burner used in turbine exhaust.
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	R7300-NORMAL-1	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Title 30 TAC § 117.310(c)(1)., NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)., Service Type = Stationary gas turbine.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	R7300-NORMAL- 2	30 TAC Chapter 117, Subchapter B	CO Emission Limitation = Title 30 TAC § 117.310(c)(1)., NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)., Service Type = Duct burner used in turbine exhaust.
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	60KKKK-1	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.
GRPGTGHRSG	STATIONARY TURBINES	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	60KKKK-2	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.
GRPGTGSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GTG/HRSG1-STK, GTG/HRSG2-STK, GTG/HRSG3-STK	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRPGTGSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GTG/HRSG1-STK, GTG/HRSG2-STK, GTG/HRSG3-STK	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMENG1	EU	63ZZZZ-ENG-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EMENG2	EU	63ZZZZ-ENG-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EMERGAIR COMP	EU	63ZZZZ-ENG-3	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.5	For each existing emergency stationary SI	§ 63.6625(j) § 63.6640(a)	§ 63.6625(j) § 63.6655(e)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	
GRPAUXBOIL	EU	R7300-MSS-2	CO	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain the carbon monoxide (CO) specifications of § 117.310(c) of this title the executive director may approve emission specifications different from the CO specifications in § 117.310(c) of this title for that unit.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(B)(iii))	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							§ 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
GRPAUXBO IL	EU	R7300-MSS-2	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain the ammonia specifications of § 117.310(c) of this title the executive director may approve emission specifications different from the ammonia specifications in § 117.310(c) of this title for that unit.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(b)(1) § 117.340(b)(3) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)		
GRPAUXBOIL	EU	R7300-MSS-2	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(2) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							§ 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
GRPAUXBO IL	EU	R7300-NORMAL-2	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(B)(iii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
GRPAUXBO IL	EU	R7300-NORMAL-2	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(b)(1) § 117.340(b)(3) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPAUXBO IL	EU	R7300-NORMAL-	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a)	An owner or operator may not use the alternative	[G]§ 117.335(a)(1) § 117.335(a)(4)	§ 117.345(a) § 117.345(f)	§ 117.335(b) § 117.335(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		2			§ 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(2) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	[G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPAUXBO IL	EU	60Db-FG-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).			
GRPAUXBO IL	EU	60Db-FG-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-FG-1	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-FG-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-MG-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)

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)
						requirements.	[G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)		
GRPAUXBO IL	EU	60Db-MG-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-MG-1	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-MG-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBO IL	EU	60Db-NG-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/Jl (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)

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)
							§ 60.48b(f)		
GRPAUXBOIL	EU	60Db-NG-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBOIL	EU	60Db-NG-1	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXBOIL	EU	60Db-NG-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPAUXSTK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPGTGHRSG	EU	R7300-MSS-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(1)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b)

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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)
						the carbon monoxide (CO) specifications of § 117.310(c) of this title the executive director may approve emission specifications different from the CO specifications in § 117.310(c) of this title for that unit.	§ 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	[G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	[G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-MSS-1	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain the ammonia specifications of § 117.310(c) of this title the executive director may	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2)

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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)
						approve emission specifications different from the ammonia specifications in § 117.310(c) of this title for that unit.	§ 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)	§ 117.8100(a)(5)(C)	§ 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-MSS-1	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.320(a) § 117.320(b) [G]§ 117.320(c) § 117.320(i) § 117.320(j) § 117.320(k) § 117.340(f)(1) § 117.340(l)(2)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or	§ 117.320(d) [G]§ 117.320(e) § 117.320(h) § 117.320(k) [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(a) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)	§ 117.320(f) § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.320(g) § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4)

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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)
					§ 117.340(p)(1) § 117.340(p)(3)	operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		[G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-MSS-2	CO	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain the carbon monoxide (CO) specifications of § 117.310(c) of this title the executive director may approve emission specifications different from the CO specifications in § 117.310(c) of this title for that unit.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii))	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6)

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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)
							§ 117.8100(a)(1)(B)(iii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		[G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-MSS-2	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.325(a) § 117.340(f)(1)	Where a person can demonstrate that an affected unit cannot attain the ammonia specifications of § 117.310(c) of this title the executive director may approve emission specifications different from the ammonia specifications in § 117.310(c) of this title for that unit.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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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)
							§ 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)		
GRPGTGHR SG	EU	R7300-MSS-2	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(A) § 117.310(a)(11) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.320(a) § 117.320(b) [G]§ 117.320(c) § 117.320(i) § 117.320(j) § 117.320(k) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.320(d) [G]§ 117.320(e) § 117.320(h) § 117.320(k) [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(a) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A)	§ 117.320(f) § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.320(g) § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							§ 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
GRPGTGHR SG	EU	R7300-NORMAL-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(B)(iii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							§ 117.8120 § 117.8120(1) § 117.8120(1)(A)		
GRPGTGHR SG	EU	R7300-NORMAL-1	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For stationary gas turbines that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 15% O ₂ , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-NORMAL-1	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications	§ 117.320(d) [G]§ 117.320(e) § 117.320(h) § 117.320(k) [G]§ 117.335(a)(1) § 117.335(a)(4)	§ 117.320(f) § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8)	§ 117.320(g) § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 117.310(e)(3) § 117.310(e)(4) § 117.320(a) § 117.320(b) [G]§ 117.320(c) § 117.320(i) § 117.320(j) § 117.320(k) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(a) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-NORMAL-2	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4)

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)
							§ 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		§ 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-NORMAL-2	NH ₃	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For duct burners that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 15% O ₂ , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1)

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)
							§ 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)		§ 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPGTGHR SG	EU	R7300-NORMAL-2	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(A) § 117.310(a)(11) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.320(a) § 117.320(b) [G]§ 117.320(c) § 117.320(i) § 117.320(j) § 117.320(k) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.320(d) [G]§ 117.320(e) § 117.320(h) § 117.320(k) [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(a) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) §	§ 117.320(f) § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.320(g) § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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)
							117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii)) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
GRPGTGHR SG	EU	60KKKK-1	NO _x	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b) § 60.4325 § 60.4333(a) § 60.4333(b)(1) § 60.4335(b)(1) § 60.4335(b)(2) § 60.4335(b)(3) § 60.4335(b)(4) [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 54 ng/J of useful output (0.43 lb/MWh).	§ 60.4333(b)(1) § 60.4335(b)(1) § 60.4335(b)(2) § 60.4335(b)(3) § 60.4335(b)(4) [G]§ 60.4345 § 60.4350(a) § 60.4350(b) § 60.4350(c) § 60.4350(d) § 60.4350(e) § 60.4350(f) § 60.4350(f)(2) § 60.4350(h) [G]§ 60.4400(a) § 60.4400(b) § 60.4400(b)(1) § 60.4400(b)(2) § 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

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)
GRPGTGHR SG	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)
GRPGTGHR SG	EU	60KKKK-2	NO _x	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b) § 60.4333(a) § 60.4333(b)(1) § 60.4335(b)(1) § 60.4335(b)(2) § 60.4335(b)(3) § 60.4335(b)(4) [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 590 ng/J of useful output (4.7 lb/MWh).	§ 60.4333(b)(1) § 60.4335(b)(1) § 60.4335(b)(2) § 60.4335(b)(3) § 60.4335(b)(4) [G]§ 60.4345 § 60.4350(a) § 60.4350(b) § 60.4350(c) § 60.4350(d) § 60.4350(e) § 60.4350(f) § 60.4350(f)(2) § 60.4350(h) [G]§ 60.4400(a) § 60.4400(b) § 60.4400(b)(1) § 60.4400(b)(2) § 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
GRPGTGHR SG	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	§ 60.4365 § 60.4365(b) § 60.4415(a) § 60.4415(a)(2) § 60.4415(a)(2)(ii)	§ 60.4365(b)	§ 60.4375(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						excess of 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.			
GRPGTGST K	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See Periodic Monitoring Summary	None	None
GRPGTGST K	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary	49
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Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPAUXSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Firing of an alternative fuel, either alone or in combination with the specified fuel (pipeline quality natural gas or refinery gas) containing no more than 5.0 gr total sulfur per 100 dscf.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPGTGSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Firing of an alternative fuel, either alone or in combination with the specified fuel (pipeline quality natural gas or refinery gas) containing no more than 5.0 gr total sulfur per 100 dscf.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPGTGSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Firing of an alternative fuel, either alone or in combination with the specified fuel (pipeline quality natural gas refinery gas) containing no more than 5.0 gr total sulfur per 100 dscf.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMTANK1	N/A	30 TAC Chapter 115, Storage of VOCs	The tank does not store a volatile organic compound.
AMTANK1	N/A	40 CFR Part 60, Subpart Kb	The tank does not store a volatile organic liquid.
AMTANK2	N/A	30 TAC Chapter 115, Storage of VOCs	The tank does not store a volatile organic compound.
AMTANK2	N/A	40 CFR Part 60, Subpart Kb	The tank does not store a volatile organic liquid.
COOLTWR1	N/A	30 TAC Chapter 115, HRVOC Cooling Towers	Does not have potential to emit HRVOCs.
COOLTWR1	N/A	40 CFR Part 63, Subpart Q	No chromium-based water treatment chemicals used.
CW-500	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
CW-500	N/A	40 CFR Part 60, Subpart Kb	Capacity<19,800 gallons
DEG-1	N/A	30 TAC Chapter 115, Degreasing Processes	A remote reservoir cold cleaner using a solvent with a TVP < 0.6 psia at 100F with a drain area < 16 square inches, and waste is disposed of in enclosed.
DIESTNK	N/A	30 TAC Chapter 115, Storage of VOCs	The tank capacity is less than 1,000 gallons.
DIESTNK	N/A	40 CFR Part 60, Subpart Kb	The tank capacity is less than 19,800 gallons.
EMENG1	N/A	30 TAC Chapter 112, Sulfur Compounds	Not a liquid or solid fuel fired steam generator, furnace, or heater.
EMENG1	N/A	40 CFR Part 60, Subpart IIII	Not constructed, reconstructed, modified after July 11, 2005
EMENG1STK	N/A	30 TAC Chapter 115, HRVOC Vent Gas	Does not have the potential to emit HRVOCs.
EMENG1STK	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a combustion

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			unit exhaust stream which is not used as a control device.
EMENG2	N/A	30 TAC Chapter 112, Sulfur Compounds	Not a liquid or solid fuel fired steam generator, furnace, or heater.
EMENG2	N/A	40 CFR Part 60, Subpart IIII	Not constructed, reconstructed, or modified after July 11, 2005.
EMENG2STK	N/A	30 TAC Chapter 115, HRVOC Vent Gas	Does not have potential to emit HRVOCs.
EMENG2STK	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a combustion unit exhaust stream which is not used as a control device.
EMERGAIRCOMP	N/A	30 TAC Chapter 112, Sulfur Compounds	Not a liquid or solid fuel-fired generator, furnace or heater
EMERGAIRCOMP	N/A	40 CFR Part 60, Subpart IIII	Not constructed, reconstructed, or modified after July 11, 2005.
FUELGASFUG	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
FUELGASFUG	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
GASTNK	N/A	30 TAC Chapter 115, Storage of VOCs	The tank capacity is less than 1,000 gallons.
GASTNK	N/A	40 CFR Part 60, Subpart Kb	The tank capacity is less than 19,800 gallons.
GRPAUXBOIL	B-1, B-2, B-3	30 TAC Chapter 112, Sulfur Compounds	Steam generator which does not fire liquid or solid fuel.
GRPAUXSTK	AUXBOIL-3, AUXBOIL1, AUXBOIL2	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a combustion

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			unit exhaust stream which is not used as a control device.
GRPGTGHRSG	GTG/HRSG1, GTG/HRSG2, GTG/HRSG3	40 CFR Part 60, Subpart GG	Stationary combustion turbines regulated under NSPS KKKK are exempt from the requirements of NSPS GG.
GTG/HRSG1	N/A	40 CFR Part 60, Subpart Da	The heat recovery steam generators used with duct burners are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG1	N/A	40 CFR Part 60, Subpart Db	The heat recovery steam generators associated with the stationary combustion turbines are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG1	N/A	40 CFR Part 60, Subpart TTTT	The rule does not apply to modifications of stationary combustion turbines.
GTG/HRSG1	N/A	40 CFR Part 63, Subpart JJJJJ	Gas-fired boilers are not subject to this subpart.
GTG/HRSG2	N/A	40 CFR Part 60, Subpart Da	The heat recovery steam generators used with duct burners are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG2	N/A	40 CFR Part 60, Subpart Db	The heat recovery steam generators associated with the stationary combustion turbines are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG2	N/A	40 CFR Part 60, Subpart TTTT	The rule does not apply to modifications of stationary combustion turbines.
GTG/HRSG2	N/A	40 CFR Part 63, Subpart JJJJJ	Gas-fired boilers are not subject to this subpart.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GTG/HRSG3	N/A	40 CFR Part 60, Subpart Da	The heat recovery steam generators used with duct burners are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG3	N/A	40 CFR Part 60, Subpart Db	The heat recovery steam generators associated with the stationary combustion turbines are now subject to NSPS KKKK and so are not subject to this rule.
GTG/HRSG3	N/A	40 CFR Part 60, Subpart TTTT	Not constructed after January 8, 2014 and not modified or reconstructed after June 18, 2014.
GTG/HRSG3	N/A	40 CFR Part 63, Subpart JJJJJJ	Gas-fired boilers are not subject to this subpart.
IBD-TK-001	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC
IBD-TK-001	N/A	40 CFR Part 60, Subpart Kb	Does not store a VOL
LUBEOILFUG	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
LUBEOILFUG	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
NH3FUG	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
NH3FUG	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MTBE, or natural gas processing operation.
OBD-TK-002	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OBD-TK-002	N/A	40 CFR Part 60, Subpart Kb	Does Not store a VOL.
OBD-TK-003	N/A	30 TAC Chapter 115, Vent Gas Controls	Does not store a VOC.
OBD-TK-003	N/A	40 CFR Part 60, Subpart Kb	Does not store a VOL.
OCF-TK-001	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity <1000 gallons.
OCF-TK-001	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-002AX	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-002AX	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-003	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-003	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-004	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-004	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-004AX	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-004AX	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-005	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-005	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-007	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
OCF-TK-007	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-008	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
OCF-TK-008	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCF-TK-009	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
OCF-TK-009	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OCF-TK-010	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and VOC has TVP < 1.0 psia.
OCF-TK-010	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
OCH-TK-001	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
OCH-TK-001	N/A	40 CFR Part 60, Subpart Kb	Does not store a VOL.
ODW-TK-001	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
ODW-TK-001	N/A	40 CFR Part 60, Subpart Kb	Does not store a VOL.
ODW-TK-002	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
ODW-TK-002	N/A	40 CFR Part 60, Subpart Kb	Does not store a VOL.
OILDEMIST	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MBTE, or natural gas/gasoline processing operation.
OILDEMIST	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not located at a petroleum refinery, synthetic organic chemical, polymer, resin, or MBTE, or natural gas/gasoline processing operation.
TANK1	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK10	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TANK10	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK11	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK11	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK12	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK12	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
TANK13	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TANK13	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK14	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TANK14	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK15	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK15	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK16	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TANK16	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK2	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK2	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK3	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK3	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK4	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK4	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK5	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 100 gallons.
TANK5	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK6	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity < 1000 gallons.
TANK6	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK7	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and VOC has TVP, 1.0 psia
TANK7	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK8	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
TANK8	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TANK9	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TANK9	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TK-400	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
TK-400	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TK-410	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and VOC has TVP < 1.0 psia
TK-410	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.

New Source Review Authorization References

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New Source Review Authorization References by Emission Unit	63

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX955GHG	Issuance Date: 11/29/2012
PSD Permit No.: PSDTX955M1	Issuance Date: 10/15/2012
Nonattainment (NA) Permits	
NA Permit No.: N021M1	Issuance Date: 10/15/2012
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 42179	Issuance Date: 04/03/2020
Authorization No.: 156050	Issuance Date: 04/25/2019
Authorization No.: 159449	Issuance Date: 01/17/2020
Authorization No.: 163539	Issuance Date: 01/12/2021
Authorization No.: 164774	Issuance Date: 04/28/2021
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.474	Version No./Date: 09/04/2000
Number: 106.477	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
AMTANK1	AMMONIA TANK	106.477/09/04/2000
AMTANK2	AMMONIA TANK	106.477/09/04/2000
AUXBOIL-3	AUXILIARY BOILER STACK	42179, PSDTX955M1, N021M1
AUXBOIL1	AUXILIARY BOILER STACK	42179, PSDTX955M1, N021M1
AUXBOIL2	AUXILIARY BOILER STACK	42179, PSDTX955M1, N021M1
B-1	AUXILIARY BOILER	42179, PSDTX955M1, N021M1
B-2	AUXILIARY BOILER	42179, PSDTX955M1, N021M1
B-3	AUXILIARY BOILER	42179, PSDTX955M1, N021M1
COOLTWR1	COOLING TOWER NO. 1	42179, PSDTX955M1, N021M1
CW-500	CLARIFIED WATER TANK	106.472/09/04/2000
DEG-1	DEGREASER	106.454/09/04/2000
DIESTNK	DIESEL TANK	106.473/09/04/2000
EMENG1	PROPANE-FIRED EMERGENCY GENERATOR	106.511/09/04/2000
EMENG1STK	PROPANE-FIRED EMERGENCY GENERATOR STACK	106.511/09/04/2000
EMENG2	PROPANE-FIRED EMERGENCY GENERATOR	106.511/09/04/2000
EMENG2STK	PROPANE-FIRED EMERGENCY GENERATOR STACK	106.511/09/04/2000
EMERGAIRCOMP	EMERGENCY ENGINE	106.511/09/04/2000
FUELGASFUG	FUEL GAS SYSTEM FUGITIVES	42179, PSDTX955M1, N021M1
GASTNK	GASOLINE TANK	106.473/09/04/2000
GTG/HRSG1	TURBINE/HEAT RECOVERY STEAM GENERATOR 1	42179, 159449, PSDTX955M1, N021M1
GTG/HRSG1-STK	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK	42179, 159449, PSDTX955M1, N021M1

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
GTG/HRSG2	TURBINE/HEAT RECOVERY STEAM GENERATOR 2	42179, 163539, PSDTX955M1, N021M1
GTG/HRSG2-STK	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK	42179, 163539, PSDTX955M1, N021M1
GTG/HRSG3	TURBINE/HEAT RECOVERY STEAM GENERATOR 3	42179, 164774, PSDTX955M1, N021M1
GTG/HRSG3-STK	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK	42179, 164774, PSDTX955M1, N021M1
IBD-TK-001	BLOWDOWN TANK	106.472/09/04/2000
LUBEOILFUG	LUBRICATING OIL SYSTEM FUGITIVES	42179, PSDTX955M1, N021M1
NH3FUG	AMMONIA FUGITIVES	42179, PSDTX955M1, N021M1
OBD-TK-002	AUXILIARY BOILER BLOWDOWN TANK	106.472/09/04/2000
OBD-TK-003	AUXILIARY BOILER BLOWDOWN TANK	106.472/09/04/2000
OCF-TK-001	PHOSPHATE/POLYMER UP BLEND	106.472/09/04/2000
OCF-TK-002AX	OXYGEN SCAVENGER STORAGE TANK	106.472/09/04/2000
OCF-TK-003	OXYGEN SCAVENGER STORAGE TANK	106.472/09/04/2000
OCF-TK-004	CORROSION INHIBITOR TANK	106.472/09/04/2000
OCF-TK-004AX	NEUTRALIZING AMINE STORAGE TANK	106.472/09/04/2000
OCF-TK-005	PHOSPHATE/POLYMER TANK	106.472/09/04/2000
OCF-TK-007	SODIUM HYPOCHLORITE TANK	106.472/09/04/2000
OCF-TK-008	CORROSION INHIBITOR TANK	106.472/09/04/2000
OCF-TK-009	SULFURIC ACID TANK	106.472/09/04/2000
OCF-TK-010	DREW 11-729 TANK	106.472/09/04/2000
OCH-TK-001	CYCLE MAKE UP WATER TANK	106.472/09/04/2000
ODW-TK-001	DEMINERALIZED WATER TANK	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ODW-TK-002	DEMINERALIZED WATER TANK	106.472/09/04/2000
OILDEMIST	OIL MIST ELIMINATOR FUGITIVES	42179, PSDTX955M1, N021M1
TANK1	OIL DRUM	106.472/09/04/2000
TANK10	PHOSPHATE STORAGE TANK	106.472/09/04/2000
TANK11	ANTIFOULANT TANK	106.472/09/04/2000
TANK12	ANTIFOULANT TANK	106.472/09/04/2000
TANK13	HYDROCHLORIC ACID TANK	106.472/09/04/2000
TANK14	CAUSTIC STORAGE TANK	106.472/09/04/2000
TANK15	CORROSION INHIBITOR TANK	106.472/09/04/2000
TANK16	SULFURIC ACID TANK	106.472/09/04/2000
TANK2	OIL DRUM	106.472/09/04/2000
TANK3	OIL DRUM	106.472/09/04/2000
TANK4	OIL DRUM	106.472/09/04/2000
TANK5	OIL DRUM	106.472/09/04/2000
TANK6	OIL DRUM	106.472/09/04/2000
TANK7	LUBE OIL RESERVOIRS	106.472/09/04/2000
TANK8	PHOSPHATE STORAGE TANK	106.472/09/04/2000
TANK9	PHOSPHATE STORAGE TANK	106.472/09/04/2000
TK-400	SODIUM HYPOCHLORITE TANK	106.472/09/04/2000
TK-410	POLYMER TANK	106.472/09/04/2000

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers,

Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List 68

Acronym List

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

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound

Appendix B

Major NSR Summary Table 70

This page serves as a placeholder for Major NSR Summary Table.

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. 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 TCEQ.

I. Identifying Information
Account Number: HX2690V
Regulated Entity Number: RN100213107
Customer Reference Number: CN601549132
Permit Number: O2084
Area Name: Channel Energy Center
Company: Channel Energy Center, LLC
II. Change Type
Action Type: <input checked="" type="checkbox"/> New Appointment <input type="checkbox"/> Administrative Information Change
Contact Type (only one response accepted per form): <input type="checkbox"/> Responsible Official <input checked="" type="checkbox"/> Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>) <input type="checkbox"/> Alternate Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>)

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

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 (Driver's License/STEERS): Jaron Bergin
Title: Director, Environmental, Health & Safety
Appointment Effective Date: 01/07/2025
Telephone Number: (713) 570-4631
Fax Number:
Company Name: Calpine Corporation
Mailing Address: 717 Texas Avenue, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Email Address: jaron.bergin@calpine.com

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

IV. Certification of Truth, Accuracy, and Completeness

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

I, Jaron Bergin, certify that based on information and belief formed Reasonable inquiry, the statement and information stated above are true, accurate, and complete.

Signature: 

Signature Date: 1/5/20

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. 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 TCEQ.

I. Identifying Information
Account Number: HX2690V
Regulated Entity Number: RN100213107
Customer Reference Number: CN601549132
Permit Number: O2084
Area Name: Channel Energy Center
Company: Channel Energy Center, LLC
II. Change Type
Action Type: <input checked="" type="checkbox"/> New Appointment <input type="checkbox"/> Administrative Information Change
Contact Type (only one response accepted per form): <input checked="" type="checkbox"/> Responsible Official <input type="checkbox"/> Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>) <input type="checkbox"/> Alternate Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>)

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

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 (Driver's License/STEERS): Jaron Bergin
Title: Director, Environmental, Health & Safety
Appointment Effective Date: 01/07/2025
Telephone Number: (713) 570-4631
Fax Number:
Company Name: Calpine Corporation
Mailing Address: 717 Texas Avenue, Suite 1000
City: Houston
State: TX
ZIP Code: 77002
Email Address: jaron.bergin@calpine.com

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

IV. Certification of Truth, Accuracy, and Completeness

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

I, Jaron Bergin, certify that based on information and belief formed Reasonable inquiry, the statement and information stated above are true, accurate, and complete.

Signature: _____

Signature Date: _____

Texas Commission on Environmental Quality

Title V Existing

2084

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	CHANNEL ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718888
Longitude (W) (-###.#####)	95.231944
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)?	RN100213107
What is the name of the Regulated Entity (RE)?	CHANNEL ENERGY CENTER
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718611
Longitude (W) (-###.#####)	-95.231666
Facility NAICS Code	
What is the primary business of this entity?	ELECTRIC POWER GENERATION & STEAM PROD

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601549132
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Channel Energy Center, LLC
Texas SOS Filing Number	14044711
Federal Tax ID	770555137
State Franchise Tax ID	17705551376
State Sales Tax ID	

Local Tax ID	
DUNS Number	139020189
Number of Employees	0-20
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	CALPINE CORPORATION
Prefix	MR
First	EDMUND
Middle	
Last	SIMCIK
Suffix	JR
Credentials	
Title	GENERAL PLANT MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1537
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77501
Phone (###-###-####)	7134561324
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	ed.simcikjr@calpine.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	New Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Regional EHS
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

Routing (such as Mail Code, Dept., or Attn:)

City

State

Zip

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

Suite 1000

HOUSTON

TX

77002

7133325164

jaron.bergin@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing DR contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

Mailing Address (include Suite or Bldg. here, if applicable)

Routing (such as Mail Code, Dept., or Attn:)

City

State

Zip

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

EDMUND SIMCIK(CALPINE CORPORA...)

CALPINE CORPORATION

MR

EDMUND

SIMCIK

JR

GENERAL PLANT MANAGER

Domestic

PO BOX 1537

PASADENA

TX

77501

7134561324

ed.simcikjr@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

DALE DUNN(CALPINE CORPORA...)

CALPINE CORPORATION

MR

DALE

DUNN

Credentials	
Title	EHS SPECIALIST III
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1537
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77501
Phone (###-###-####)	7134011232
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	ddunn@calpine.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 43 Min 8 Sec
3) Permit Longitude Coordinate:	95 Deg 13 Min 55 Sec
4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	2084-36471
5) Who will electronically sign this Title V application?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

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-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

[File Properties]

File Name

OP-MON 2024-1028.pdf

Hash

4627EEBEBED345186B2B9B0EACE6A4EA66D43B541F09ACBCF3DE1BC9132C98D1

MIME-Type

application/pdf

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 Void Request Form

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 Duly Authorized Representative 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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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: Jaron J Bergin OWNER OPERATOR

Account Number:

ER003191

Signature IP Address:

12.125.80.126

Signature Date:

2024-11-06

Signature Hash:

423B66261EF529B6831C097FDC956669B60F41ACE6385F61C1AAED2232B60276

Form Hash Code at
time of Signature:

59DB7F811B694213DD755148EE6917E01E0B4799670C8FE6AEDE91BA584B5798

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 Jaron J Bergin, the owner of the STEERS account ER003191.
- 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 Existing 2084.
- 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: Jaron J Bergin OWNER OPERATOR

Account Number:	ER003191
Signature IP Address:	12.125.80.126
Signature Date:	2024-11-06
Signature Hash:	423B66261EF529B6831C097FDC956669B60F41ACE6385F61C1AAED2232B60276
Form Hash Code at time of Signature:	59DB7F811B694213DD755148EE6917E01E0B4799670C8FE6AEDE91BA584B5798

Submission

Reference Number:	The application reference number is 701214
Submitted by:	The application was submitted by ER003191/Jaron J Bergin
Submitted Timestamp:	The application was submitted on 2024-11-06 at 15:01:17 CST
Submitted From:	The application was submitted from IP address 12.125.80.126
Confirmation Number:	The confirmation number is 577790
Steers Version:	The STEERS version is 6.82
Permit Number:	The permit number is 2084

Additional Information

Application Creator: This account was created by Laura M Huff

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.: HX-2690-V	RN No.: RN100213107	CN: CN601549132
Permit No.: O2084	Project No.: 36471	
Area Name: Channel Energy Center		
Company Name: Channel Energy Center, LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7, 8, 9		
Unit/EPN/Group/Process ID No.: GRPGTGSTK		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Nonagricultural Processes		
SOP/GOP Index No.: R1151-1		
Pollutant: PM		
Main Standard: § 111.151(a)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-P-030		
Deviation Limit:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: HX-2690-V	RN No.: RN100213107	CN: CN601549132
Permit No.: O2084	Project No.: 36471	
Area Name: Channel Energy Center		
Company Name: Channel Energy Center, LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7, 8, 9		
Unit/EPN/Group/Process ID No.: GRPGTGSTK		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-2		
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:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

Texas Commission on Environmental Quality

Title V Existing

2084

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	CHANNEL ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718888
Longitude (W) (-###.#####)	95.231944
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)?	RN100213107
What is the name of the Regulated Entity (RE)?	CHANNEL ENERGY CENTER
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718611
Longitude (W) (-###.#####)	-95.231666
Facility NAICS Code	
What is the primary business of this entity?	ELECTRIC POWER GENERATION & STEAM PROD

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601549132
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Channel Energy Center, LLC
Texas SOS Filing Number	14044711
Federal Tax ID	770555137
State Franchise Tax ID	17705551376
State Sales Tax ID	

Local Tax ID	
DUNS Number	139020189
Number of Employees	0-20
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	CALPINE CORPORATION
Prefix	MR
First	EDMUND
Middle	
Last	SIMCIK
Suffix	JR
Credentials	
Title	GENERAL PLANT MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1537
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77501
Phone (###-###-####)	7134561324
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	ed.simcikjr@calpine.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	New Contact
Organization Name	Calpine Corporation
Prefix	MR
First	Jaron
Middle	
Last	Bergin
Suffix	
Credentials	
Title	Director, Environmental, Health & Safety
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

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing DR contact or enter a new contact.

EDMUND SIMCIK(CALPINE CORPORA...)

Organization Name

CALPINE CORPORATION

Prefix

MR

First

EDMUND

Middle

Last

SIMCIK

Suffix

JR

Credentials

Title

GENERAL PLANT MANAGER

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

PO BOX 1537

Routing (such as Mail Code, Dept., or Attn:)

City

PASADENA

State

TX

Zip

77501

Phone (###-###-####)

7134561324

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

ed.simcikjr@calpine.com

Alternate Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing ADR contact or enter a new contact.

New Contact

Organization Name

Calpine Corporation

Prefix

MR

First

Jaron

Middle

Last

Bergin

Suffix

Credentials

Title

Directory, Environmental, Health & Safety

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

717 Texas Avenue, Suite 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:

Select existing TC contact or enter a new contact.

DALE DUNN(CALPINE CORPORA...)

Organization Name

CALPINE CORPORATION

Prefix

MR

First

DALE

Middle

Last

DUNN

Suffix

Credentials

Title

EHS SPECIALIST III

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

PO BOX 1537

Routing (such as Mail Code, Dept., or Attn:)

City

PASADENA

State

TX

ZIP

77501

Phone (###-###-####)

7134011232

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

ddunn@calpine.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 43 Min 8 Sec

3) Permit Longitude Coordinate:

95 Deg 13 Min 55 Sec

4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	2084-36471
5) Who will electronically sign this Title V application?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	Yes
6.1. Who will electronically sign the Acid Rain Program or Cross-State Air Pollution Rule portion of this application?	Alternate Designated Representative

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

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-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

[File Properties]

File Name	OP-MON 09-27-2024.pdf
Hash	F5A18915CF7A2D56ECFAA615B21C2860862194FA6C118310CB4E958EA6031BAE
MIME-Type	application/pdf

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA11 09-27-2024.pdf
Hash	90CDDC27480C1ECA6EED8D5B083F00852CBF21B9DC79968CB9504C5EF84D0DF7
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 Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

WDP with Applicant Comments 09_27_2024.docx

Hash

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MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

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

Certification

I certify that I am the Duly Authorized Representative 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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
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: Jaron J Bergin OWNER OPERATOR

Account Number: ER003191

Signature IP Address: 204.209.130.5

Signature Date: 2024-09-27

Signature Hash: 423B66261EF529B6831C097FDC956669B60F41ACE6385F61C1AAED2232B60276

Form Hash Code at time of Signature: 7C14EB7D3987CBAD191E4EBEEC492F62F5BA21A2DCBFE480503A7FC806CC3C5A

Certification

I certify that I am the Alternate 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 Jaron J Bergin, the owner of the STEERS account ER003191.
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 Existing 2084.
- 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: Jaron J Bergin OWNER OPERATOR

Account Number:	ER003191
Signature IP Address:	204.209.130.5
Signature Date:	2024-09-27
Signature Hash:	423B66261EF529B6831C097FDC956669B60F41ACE6385F61C1AAED2232B60276
Form Hash Code at time of Signature:	7C14EB7D3987CBAD191E4EBEEC492F62F5BA21A2DCBFE480503A7FC806CC3C5A

Submission

Reference Number:	The application reference number is 687060
Submitted by:	The application was submitted by ER003191/Jaron J Bergin
Submitted Timestamp:	The application was submitted on 2024-09-27 at 10:14:19 CDT
Submitted From:	The application was submitted from IP address 204.209.130.5
Confirmation Number:	The confirmation number is 566679
Steers Version:	The STEERS version is 6.82
Permit Number:	The permit number is 2084

Additional Information

Application Creator: This account was created by Larry A Moon

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.
09/27/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO _x Standard	Fuel Type
GRPGTGHRSG	60KKKK-1	CHPT	2005C	850+	NO	NOTER	NO	NGO
GRPGTGHRSG	60KKKK-2	CHPT	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.
09/27/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	75% of Peak	30 MW	Turbine Use	NO _x Control	NO _x Monitoring	Common Steam Header	Duct Burner
GRPGTGHRSG	60KKKK-1	NO			NO	CEMS	CMN	YES
GRPGTGHRSG	60KKKK-2	YES	NO		NO	CEMS	CMN	YES

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.
09/27/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Location	SO ₂ Standard	Fuel Monitoring	Fuel Quality	Performance Test	Intermediate Storage	Fuel Schedules
GRPGTGHRSG	60KKKK-1	NO	NO	YES	SAMP	SAMP		
GRPGTGHRSG	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.
09/27/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Construction/Reconstruction Date	Standard	Natural Gas Combustion	Net Electric Sales	Fuel Type	CO2 Emissions Determination	Commercial Operation Date
GRPGTGHRSG	60TTTT	2014-						

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

I. Identifying Information		
Account No.: HX-2690-V	RN No.: RN100213107	CN: CN601549132
Permit No: O2084	Project No.: 36471	
Area Name: Channel Energy Center		
Company Name: Channel Energy Center, LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7, 8, 9		
Unit/EPN/Group/Process ID No.: GRPGTGSTK		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Nonagricultural Processes		
SOP/GOP Index No.: R1151-1		
Pollutant: PM		
Main Standard: § 111.151(a)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Firing of an alternative fuel, either alone or in combination with the specified fuel (pipeline quality natural gas or refinery gas) containing no more than 5.0 gr total sulfur per 100 dscf.		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Type	Minimum Frequency: Annually	
Averaging Period: N/A		

I. Identifying Information
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.

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

I. Identifying Information		
Account No.: HX-2690-V	RN No.: RN100213107	CN: CN601549132
Permit No: O2084	Project No.: 36471	
Area Name: Channel Energy Center		
Company Name: Channel Energy Center, LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 7, 8, 9		
Unit/EPN/Group/Process ID No.: GRPGTGSTK		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-2		
Pollutant: Opacity		
Main Standard: § 111.111(a)(1)(C)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Firing of an alternative fuel, either alone or in combination with the specified fuel (pipeline quality natural gas or refinery gas) containing no more than 5.0 gr total sulfur per 100 dscf.		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Type	Minimum Frequency: Annually	
Averaging Period: N/A		

I. Identifying Information
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.

- 1. Print the label: Select the print icon in your PDF Reader window to print the label.
- 2. Fold the printed label at the dotted line. Place the label in a FedEx Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
- 3. Getting your shipment to FedEx

Customers without a Daily Pickup
Take this package to any FedEx Store location and drop it off with your label attached.

Air shipments can be picked up or dropped off. To schedule a pickup, or to find a drop-off location, select the Pickup or Drop-off icon from the FedEx tool bar.

Customers with a Daily Pickup
Your driver will pickup your shipment(s) as usual.

ORIGIN ID: EIXA (7/13) 332-5167

SHIP DATE: 28MAR24

LAURA WAKE
CALPINE CORPORATE
717 TEXAS AVE
SUITE 1000
HOUSTON, TX 77002
UNITED STATES US

ACTWG: 1.00 LB
CAD: 100844866M/SX12300

TO AIR PERMITS DIVISION MC161

DEPT. TCEQ

12100 PARK 35 CIRCLE

AUSTIN TX 78753

REF: 10000-1002

(713) 830-2000
INV: ARG02086673
PO

593J2B5389AE3


J241024011001LUT

TRK# 2727 4094 0392

STANDARD OVERNIGHT

FRI - 29 MAR 5:00P

A8 MMRA

78753

TX-US AUS





CALPINE CORPORATION

717 TEXAS AVENUE, SUITE 1000
HOUSTON, TX 77002

March 28, 2024

TCEQ
Air Permits Division, MC 161
Attn: Steven Piper
12100 Park 35 Circle
Austin, TX 78753

Subject: OP-DEL and OP-CRO2
Channel Energy Center
Title V Permit O2084

Dear Mr. Piper,

Enclosed please find the above referenced delegation and change in Responsible Official forms applicable to the Channel Energy Center. Please direct any questions to me via phone at 713.408.4867 or email at jaron.bergin@calpine.com.

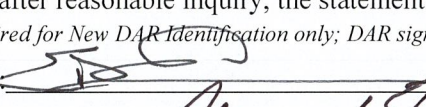
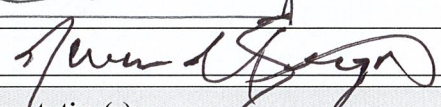
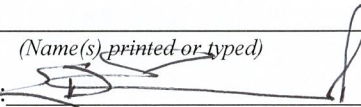
Regards,

Jaron Bergin
Director, EHS

Enclosures

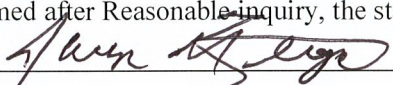
Texas Commission on Environmental Quality
Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program

A Responsible Official (RO) may choose to delegate signature authority to a Duly Authorized Representative (DAR). Such delegation may be made to an individual that has responsibility for the overall operation of one or more manufacturing, production, or operating facilities applying for, or subject to, a federal operating permit. **Send this completed form to the TCEQ Central Office to the attention of the Air Permits Division.** Signature stamps can be accepted in place of an original signature. Faxes, photocopies, and electronic submittals can be accepted in place of an original Form OP-DEL; however, a follow-up submittal of the original Form OP-DEL is requested

I. Identifying Information		
Account No.: HX2690V	RN: RN100213107	CN: CN601549132
Permit No.: O2084	Area Name: Channel Energy Center	
Company Name: Channel Energy Center, LLC		
II. Duly Authorized Representative Information		
Action Type: <input checked="" type="checkbox"/> New DAR Identification <input type="checkbox"/> Administrative Information Change		
Conventional Title: (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)		
Name: Jaron Bergin		
Title: Director, Environmental, Health & Safety	Delegation Effective Date: 03/15/2024	
Telephone No.: 713-332-5164	Fax No.:	
Company Name: Calpine Corporation		
Mailing Address: 717 Texas Avenue, Suite 1000		
City: Houston	State: TX	ZIP Code: 77002
E-mail Address: jaron.bergin@calpine.com		
III. Certification of Truth, Accuracy, and Completeness		
I, <u>Edmund Simcik, Jr.</u> , certify that, based on <i>(Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change)</i> information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. <i>(RO signature required for New DAR Identification only; DAR signature required for any Action Type)</i>		
Responsible Official Signature: 		Date: <u>3.15.2024</u>
Duly Authorized Representative Signature: 		Date: <u>3/15/2024</u>
IV. Removal of Duly Authorized Representative(s)		
The following should be removed as Duly Authorized Representative(s):		
Patrick Blanchard <i>(Name(s) printed or typed)</i>		Effective Date: <u>08/20/2022</u>
Responsible Official Signature: 		Date: <u>3.15.2024</u>

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.: HX2690V	RN: RN100213107	CN: CN601549132
Permit No.: O2084	Area Name: Channel Energy Center	
Company Name: Channel Energy Center, 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, Environmental, Health & Safety	Appointment Effective Date: 03/15/2024	
Telephone No.: 713-332-5164	Fax No.:	
Company Name: Calpine Corporation		
Mailing Address: 717 Texas Avenue, 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>3/15/2024</u>



2600 VIA FORTUNA, SUITE 450, AUSTIN, TEXAS 78746
WWW.POWERENG.COM

March 15, 2024

Texas Commission on Environmental Quality
Air Permits Initial Review Team (APIRT) M161
12100 Park 35 Circle
Building C, Third Floor, Room 300 W
Austin, TX 78753

via STEERS

Subject: Title V SOP Renewal Application for Permit 02084
Channel Energy Center, LLC
Pasadena, Harris County, Texas
Regulated Entity No. RN100213107
Customer No. CN601549132
Account No. HX-2690-V

APIRT:

POWER Engineers, Inc., on behalf of Channel Energy Center, LLC, hereby submits the enclosed renewal and revision application for Title V Federal Operating Permit 02084. This submittal constitutes a timely renewal as it is being submitted at least six months, but no earlier than 18 months, before the date of expiration of the authorization (September 25, 2024) per the requirements in 30 TAC §122.133.

If you have any questions or require additional information, please do not hesitate to contact me at the information below.

Sincerely,

A handwritten signature in black ink, appearing to read "Zoe Trieff", followed by a long, vertical, stylized flourish.

Zoe Trieff, P.E.

Project Manager

Phone: 512-879-3951

zoe.trieff@powereng.com

Attachment

c:

- » Mr. Jaron Bergin, Director, Regional EHS, Calpine Corporation
- » Mr. Joseph Doby, Air Section Manager, TCEQ Region 12, Houston
- » Dr. Latrice Babin, Director Harris County Pollution Control Services, Harris County
- » Ms. Martha O'Daniel, Chief Health Inspector, Health Department – City of Pasadena
- » EPA, Region 6

March 2024

RENEWAL APPLICATION

TITLE V FEDERAL OPERATING PERMIT 02084

*Channel Energy Center, LLC
Channel Energy Center
Pasadena, Harris County*

*Customer Reference No. CN601549132
Regulated Entity No. RN100213107*

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

PROJECT NUMBER:
0245934.00.01



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1.0 INTRODUCTION

2.0 PROCESS DESCRIPTION

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MAJOR NSR SUMMARY TABLE

1.0 INTRODUCTION

Channel Energy Center, LLC (CEC) owns and operates a combined-cycle cogeneration facility comprised of three combustion turbines with duct fired heat recovery steam generators (HRSG), three gas-fired boilers, cooling towers and other ancillary equipment. The facility is located in Harris County, Texas. The facility is currently authorized under Permit Nos. 42179, 156050, PSDTX955GHG, PSDTX955M1, and N021M1 as well as standard permits and permits by rule.

CEC is submitting the following application to renew and revise Federal Operating Permit (FOP) No. O2084. This renewal application submittal constitutes a timely renewal as it is being submitted at least six months, but no earlier than 18 months, before the date of expiration of the authorization (September 25, 2024) per the requirements in 30 TAC §122.133.

The following documentation is provided with this application: all required TCEQ FOP renewal application forms, including forms addressing application certification, administrative information, site-wide applicability information, and unit attribute information. The only changes to the Major NSR Summary Table required are the issuance date which should be revised to be April 3, 2020, and the addition of footnote #9.

2.0 PROCESS DESCRIPTION

The CEC consists of three Siemens 501F CTG turbines with duct fired HRSG trains, three auxiliary boilers, one steam turbine generator and ancillary equipment. Each of the three existing turbines are nominally rated at 180 MW. The maximum design rated capacity of each of the duct burners is 475 million British thermal units per hour (MMBtu/hr).

Ambient air is drawn from the air inlet cooling system to the compressor section of each of the turbines. Natural gas is mixed with the compressed inlet air and combusted in the combustor section of the turbine units. Dry-Low NO_x combustors are used to reduce the NO_x emissions at each turbine exit. The hot combustion gases expand through each turbine across turbine blades, causing rotation of the turbine shaft, which will convert mechanical energy to electrical energy by driving an electric generator.

Exhaust from each combustion turbine then passes through heat recovery steam generators (HRSG) where boiler feed water is converted into steam. The steam is used to drive the shared steam turbine generator. Steam injection may also be used for turbine power augmentation during periods of high-power demand. Process steam is also supplied to an adjacent facility. Electricity produced at the facility will be exported to the Texas wholesale electric market. The HRSGs are equipped with duct burners to provide additional heat for electricity generation during peak demands. The HRSG duct burners are fueled with pipeline-quality natural gas, refinery off-gas from the adjacent facility, or a mixture of the two gaseous fuels (mixed gas).

The combined emissions from the turbine and duct burners are further controlled using selective catalytic reduction (SCR) technology. Exhaust streams from the HRSGs pass through selective catalytic reduction (SCR) control units. The SCR process includes injection of ammonia into the exhaust gas stream within the HRSG and exposure to a catalyst bed which converts the majority of the exhaust NO_x to nitrogen and oxygen. The cleaned exhaust streams are then released to the atmosphere through each turbine/HRSG's stack.

3.0 TITLE V APPLICATION FORMS

LIST OF FORMS IN ORDER OF ATTACHMENT

**FORM OP-1
FORM OP-2
FORM AR-1
CERTIFICATE OF REPRESENTATION
FORM OP-ACPS
FORM OP-PBR SUP
FORM OP-REQ1
FORM OP-REQ2
FORM OP-SUMR
FORM OP-UA2
FORM OP-UA3
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FORM OP-UA12
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FORM OP-UA15
FORM OP-UA16
MAJOR NSR SUMMARY TABLE**

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: Channel Energy Center, LLC
B. Customer Reference Number (CN): CN601549132
C. Submittal Date (mm/dd/yyyy): 03/15/2024
II. Site Information
A. Site Name: Channel Energy Center
B. Regulated Entity Reference Number (RN): RN100213107
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 checked="" type="checkbox"/> YES <input 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 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 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 type="checkbox"/> YES <input type="checkbox"/> NO
E. Has the required Public Involvement Plan been included with this application? <input type="checkbox"/> YES <input 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: Edmund Simcik Jr.
RO Title: General Plant Manager
Employer Name: Calpine Corporation
Mailing Address: PO Box 1537
City: Pasadena
State: TX
ZIP Code: 77501
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-456-1324
Fax No.:
Email: Ed.SimcikJr@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: Dale Dunn
Technical Contact Title: EHS Specialist III
Employer Name: Calpine Corporation
Mailing Address: PO Box 1537
City: Pasadena
State: TX
ZIP Code: 77501
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-401-1232
Fax No.:
Email: ddunn@calpine.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Carol Alvarado, Texas Senate District 6
B. State Representative: Mary Ann Perez, Texas House District 144
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input checked="" 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 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: Channel Energy Center
B. Physical Address:
City:
State:
ZIP Code:
C. Physical Location: 451 Light Company Road
D. Nearest City: Pasadena
E. State: Texas
F. ZIP Code: 77506

**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): 29° 43' 8"
H. Longitude (nearest second): 95° 13' 55"
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: 61
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: Pasadena Public Library
B. Physical Address: 1201 Jeff Ginn Memorial Drive
City: Pasadena
ZIP Code: 77506
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: Dale Dunn
Contact Mailing Address: PO Box 1537
City: Pasadena
State: TX
ZIP Code: 77501
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-401-1232

**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: Edmund Simcik, Jr.
DR Title: General Plant Manager
Employer Name: Calpine Corporation
Mailing Address: PO Box 1537
City: Pasadena
State: TX
ZIP Code: 77501
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-456-1324
Fax No.:
Email: Ed.SimcikJr@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 EHS

Employer Name: Calpine Corporation

Mailing Address: 717 Texas Avenue, 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 OP-2

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

Date: 03/15/2024	
Permit No.: O2084	
Regulated Entity No.: RN100213107	
Company Name: Channel Energy Center, LLC	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
I. Application Type	
Indicate the type of application:	
<input checked="" type="checkbox"/> Renewal	
<input type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
<input type="checkbox"/> Significant Revision	
<input type="checkbox"/> Revision Requesting Prior Approval	
<input type="checkbox"/> Administrative Revision	
<input type="checkbox"/> Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
For GOP Revisions Only <input type="checkbox"/> YES <input type="checkbox"/> NO	

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

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

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

(Check the appropriate box[es].)

☒ VOC ☒ NO_x ☐ SO₂ ☒ PM₁₀ ☒ CO ☐ Pb ☐ HAP

Other:

IV. Reference Only Requirements (For reference only)

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

V. Delinquent Fees and Penalties

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

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

Date: 03/15/2024
Permit No.: O2084
Regulated Entity No.: RN100213107
Company Name: Channel Energy Center, LLC

Using the table below, provide a description of the revision.

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
1	MS-A	NO	GTG/HRSG1	OP-UA6 OP-UA11 OP-UA15	42179, 159449, PSDTX955M1, N021M1	A Title V Off-Permit Notification was submitted to the TCEQ on January 29, 2020 to incorporate Siemens' FD3 turbine upgrades (Unit ID GTG-1/ HRSG-1) authorized under a standard permit. No allowable emission rates were changed as a result of this action. GTG-1 was subject to New Source Performance Standard (NSPS) in 40 CFR Part 60, Subpart GG (Standards of Performance for Stationary Gas Turbines). After the upgrade, GTG-1 is subject to Subpart KKKK.
2	MS-A	NO	GTG/HRSG2	OP-UA6 OP-UA11 OP-UA15	42179, 163539, PSDTX955M1, N021M1	A Title V Off-Permit Notification was submitted to the TCEQ on March 8, 2021 to incorporate Siemens' FD3 turbine upgrades (Unit ID GTG-2/HRSG-2) authorized under a standard permit. No allowable emission rates were changed as a result of this action. GTG-2 was subject to New Source Performance Standard (NSPS) in 40 CFR Part 60, Subpart GG (Standards of Performance for Stationary Gas Turbines). After the upgrade, GTG-2 is subject to Subpart KKKK.
3	MS-A	NO	GTG/HRSG3	OP-UA6 OP-UA11 OP-UA15	42179, 164774, PSDTX955M1, N021M1	Siemens' FD3 turbine upgrades (Unit ID GTG/HRSG3) was authorized under a standard permit. No allowable emission rates were changed as a result of this action. No federal or state applicability is changing as a result of this project.

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

Date: 03/15/2024
Permit No.: O2084
Regulated Entity No.: RN100213107
Company Name: Channel Energy Center, LLC

Using the table below, provide a description of the revision.

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
4	SIG-E	NO	GTG/HRSG1	OP-UA6 OP-UA11	42179, 159449, PSDTX955M1, N021M1	Change Emission Unit Name/Description from COGENERATION TRAIN STACK to TURBINE/HEAT RECOVERY STEAM GENERATOR 1. Add to group GRPGTGHRSG. Add permit shield against applicability of NSPS Subpart TTTT.
5	SIG-E	NO	GTG/HRSG2	OP-UA6 OP-UA11	42179, 163539, PSDTX955M1, N021M1	Change Emission Unit Name/Description from COGENERATION TRAIN STACK to TURBINE/HEAT RECOVERY STEAM GENERATOR 2. Add to group GRPGTGHRSG. Add permit shield against applicability of NSPS Subpart TTTT.
6	SIG-E	NO	GTG/HRSG3	OP-UA6 OP-UA11	42179, 164774, PSDTX955M1, N021M1	Change Emission Unit Name/Description from CTG/HRSG STACK 3 to TURBINE/HEAT RECOVERY STEAM GENERATOR 3. Add to group GRPGTGHRSG. Add permit shield against applicability of NSPS Subpart TTTT.
7	MS-C	YES	GTG/HRSG1-STK	OP-UA15	42179, 159449, PSDTX955M1, N021M1	Add emission unit GTG/HRSG1-STK to represent COGENERATION STACK of the turbine and HRSG. Add to group GRPGTGSTK.
8	MS-C	YES	GTG/HRSG2-STK	OP-UA15	42179, 163539, PSDTX955M1, N021M1	Add emission unit GTG/HRSG2-STK to represent COGENERATION STACK of the turbine and HRSG. Add to group GRPGTGSTK.

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

Date: 03/15/2024
Permit No.: O2084
Regulated Entity No.: RN100213107
Company Name: Channel Energy Center, LLC

Using the table below, provide a description of the revision.

Revision No.	Revision Code	New Unit	Unit/Group ID No.	Process Applicable Form	NSR Authorization	Description of Change and Provisional Terms and Conditions
9	MS-C	YES	GTG/ HRSG3-STK	OP-UA15	42179, 164774, PSDTX955M1, N021M1	Add emission unit GTG/HRSG3-STK to represent COGENERATION STACK of the turbine and HRSG. Add to group GRPGTGSTK.
10	MS-C	NO	HRSG-1	OP-UA6	42179, 159449, PSDTX955M1, N021M1	Remove individual unit HRSG-1. HRSG-1 is part of combined unit GTG/HRSG1, since both the turbine and HRSG are regulated under NSPS KKKK.
11	MS-C	NO	HRSG-2	OP-UA6	42179, 163539, PSDTX955M1, N021M1	Remove individual unit HRSG-2. HRSG-2 is part of combined unit GTG/HRSG2, since both the turbine and HRSG are regulated under NSPS KKKK.
12	MS-C	NO	HRSG-3	OP-UA6	42179, 164774, PSDTX955M1, N021M1	Remove individual unit HRSG-3. HRSG-3 is part of combined unit GTG/HRSG3, since both the turbine and HRSG are regulated under NSPS KKKK.
13	MS-C	NO	GTG-1	OP-UA11	42179, 159449, PSDTX955M1, N021M1	Remove individual unit GTG-1. GTG-1 is part of combined unit GTG/HRSG1, since both the turbine and HRSG are regulated under NSPS KKKK.

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

Date: 03/15/2024
Permit No.: O2084
Regulated Entity No.: RN100213107
Company Name: Channel Energy Center, LLC

Using the table below, provide a description of the revision.

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
14	MS-C	NO	GTG-2	OP-UA11	42179, 163539, PSDTX955M1, N021M1	Remove individual unit GTG-2. GTG-2 is part of combined unit GTG/HRSG2, since both the turbine and HRSG are regulated under NSPS KKKK.
15	MS-C	NO	CTG-3	OP-UA11	42179, 164774, PSDTX955M1, N021M1	Remove individual unit CTG-3. CTG-3 is part of combined unit GTG/HRSG3, since both the turbine and HRSG are regulated under NSPS KKKK.
16	SIG-E	NO	GRPGTGHRSG	OP-REQ2		Remove permit shield for GRPGTG against NSPS KKKK. As a result of the upgrades in Revision No. 1 and 2, the turbines are now subject to NSPS KKKK. Add permit shield against applicability of NSPS GG.
17	SIG-E	NO	GRPGTGHRSG	OP-REQ2		Change basis of negative applicability in permit shield for GRPHRSG against NSPS Db and add permit shield against applicability of NSPS Subpart Da.
18	SIG-E	YES	AMTANK1	OP-UA3 OP-REQ2	106.477/09/04/2000	Add ammonia tank to permit. Add Permit Shield against applicability of NSPS Subpart Kb and 30 TAC Chapter 115 because the tank does not store VOC.

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

Date: 03/15/2024
Permit No.: O2084
Regulated Entity No.: RN100213107
Company Name: Channel Energy Center, LLC

Using the table below, provide a description of the revision.

Revision No.	Revision Code	New Unit	Unit/Group ID No.	Process Applicable Form	NSR Authorization	Description of Change and Provisional Terms and Conditions
19	SIG-E	YES	AMTANK2	OP-UA3 OP-REQ2	106.477/09/04/2000	Add ammonia tank to permit. Add Permit Shield against applicability of 40 CFR Part 60 Subpart Kb and 30 TAC Chapter 115 because the tank does not store VOC.
20	SIG-E	YES	DIESTNK	OP-UA3 OP-REQ2	106.473/09/04/2000	Add diesel tank to permit. Add Permit Shield against applicability of 40 CFR Part 60 Subpart Kb and 30 TAC Chapter 115. The tank capacity is less than 1,000 gallons.
21	SIG-E	YES	GASTNK	OP-UA3 OP-REQ2	106.473/09/04/2000	Add gasoline tank to permit. Add Permit Shield against applicability of 40 CFR Part 60 Subpart Kb and 30 TAC Chapter 115. The tank capacity is less than 1,000 gallons.
22	MS-C	NO	OCF-TK-004	OP-UA3 OP-REQ2	106.472/09/04/2000	Correct authorization for OCF-TK-004 by removing PBR 106.262 and retaining PBR 106.472.

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

Date: 03/15/2024	
Permit No.: O2084	
Regulated Entity No.: RN100213107	
Company Name: Channel Energy Center, LLC	
I. Significant Revision <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i>	
A. Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
B. Indicate the alternate language(s) in which public notice is required: SPANISH	
C. Will, there be a change in air pollutant emissions as a result of the significant revision?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

FORM AR-1



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

Date: 03/15/2024	Permit Name: Channel Energy Center	ORIS Code: 55299
Account No.: HX-2690-V	RN: RN100213107	CN: CN601549132
AIRS No.:	FINDS No.:	Submission: New <input type="checkbox"/> Revised <input type="checkbox"/> Renewal <input checked="" 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
GTG/HRSG1	CTG1	Yes	No	N/A	N/A
GTG/HRSG2	CTG2	Yes	No	N/A	N/A
GTG/HRSG3	CTG3	Yes	No	N/A	N/A

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



Representatives

Channel Energy Center (55299) - TX

State

Texas

County

Harris County

EPA Region

6

Latitude

29.7189

Longitude

-95.2319

FRS ID

110034690564

Primary Representative

Ed Simcik

Effective Date: 11/01/2022
Channel Energy Center, LLC
Plant Manager

12000 Lawndale
Gate 5
Houston, TX 77017

(713) 456-1324
(713) 562-3504 (Other)
ed.simcikjr@calpine.com

Submitted Electronic Signature Agreement: Yes

Alternate Representative

Jaron Bergin

Effective Date: 11/01/2022

Calpine Corporation
EHS Regional Director

717 Texas Avenue
Suite 1000
Houston, TX 77002

(713) 332-5164
(713) 408-4867 (Other)
jaron.bergin@calpine.com

Submitted Electronic Signature Agreement: Yes



FORM OP-ACPS

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

Date: 03/15/2024	Regulated Entity No.: RN100213107	Permit No.: O2084
Company Name: Channel Energy Center, LLC		Area Name: Channel Energy Center

- 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-PBRSUP

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date
CW-500	106.472	09/04/2000
DEG-1	106.454	09/04/2000
EMENG1	106.511	09/04/2000
EMENG1STK	106.511	09/04/2000
EMENG2	106.511	09/04/2000
EMENG2STK	106.511	09/04/2000
EMERGAIRCOMP	106.511	09/04/2000
IBD-TK-001	106.472	09/04/2000
OBD-TK-002	106.472	09/04/2000
OBD-TK-003	106.472	09/04/2000
OCF-TK-001	106.472	09/04/2000
OCF-TK-002AX	106.472	09/04/2000
OCF-TK-003	106.472	09/04/2000
OCF-TK-004AX	106.472	09/04/2000
OCF-TK-004	106.472	09/04/2000
OCF-TK-005	106.472	09/04/2000
OCF-TK-007	106.472	09/04/2000
OCF-TK-008	106.472	09/04/2000
OCF-TK-009	106.472	09/04/2000
OCF-TK-010	106.472	09/04/2000
OCH-TK-001	106.472	09/04/2000
ODW-TK-001	106.472	09/04/2000

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date
ODW-TK-002	106.472	09/04/2000
TANK10	106.472	09/04/2000
TANK11	106.472	09/04/2000
TANK12	106.472	09/04/2000
TANK13	106.472	09/04/2000
TANK14	106.472	09/04/2000
TANK15	106.472	09/04/2000
TANK16	106.472	09/04/2000
TANK1	106.472	09/04/2000
TANK2	106.472	09/04/2000
TANK3	106.472	09/04/2000
TANK4	106.472	09/04/2000
TANK5	106.472	09/04/2000
TANK6	106.472	09/04/2000
TANK7	106.472	09/04/2000
TANK8	106.472	09/04/2000
TANK9	106.472	09/04/2000
TK-400	106.472	09/04/2000
TK-410	106.472	09/04/2000
WELD	106.227	09/04/2000
MAINT	106.263	11/01/2001
HHELD	106.265	09/04/2000
FUEL	106.412	09/04/2000

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date
WWASTE	106.532	09/04/2000
AMTANK1	106.477	09/04/2000
AMTANK2	106.477	09/04/2000
DIESTNK	106.473	09/04/2000
GASTNK	106.473	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
3/15/2024	O2084	RN100213107

PBR No.	Version No./Date
106.102	09/04/2000
106.122	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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
CW-500	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
DEG-1	106.454	09/04/2000	Maintain records demonstrating the true vapor pressure of the solvent does not exceed 0.6 psia at an operating temperature of 100 degrees Fahrenheit.
EMENG1	106.511	09/04/2000	Keep records of monthly engine run time hours and identify whether for maintenance or emergency purposes.
EMENG1STK	106.511	09/04/2000	Keep records of monthly engine run time hours and identify whether for maintenance or emergency purposes.
EMENG2	106.511	09/04/2000	Keep records of monthly engine run time hours and identify whether for maintenance or emergency purposes.
EMENG2STK	106.511	09/04/2000	Keep records of monthly engine run time hours and identify whether for maintenance or emergency purposes.
EMERGAIRCOMP	106.511	09/04/2000	Keep records of monthly engine run time hours and identify whether for maintenance or emergency purposes.
IDB-TK-001	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OBD-TK-002	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OBD-TK-003	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-001	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
OCF-TK-002AX	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-003	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-004AX	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-004	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-005	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-007	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-008	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-009	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCF-TK-010	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
OCH-TK-001	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
ODW-TK-001	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
ODW-TK-002	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TANK10	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK11	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK12	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK13	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK14	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK15	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK16	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK1	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK2	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK3	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK4	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK5	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK6	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK7	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.

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
3/15/2024	O2084	RN100213107

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TANK8	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TANK9	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TK-400	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
TK-410	106.472	09/04/2000	Maintain records verifying the chemicals loaded, unloaded, or stored are limited to listed chemicals in the PBR.
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 result of the activity or facility operation.
HHELD	106.265	09/04/2000	No recordkeeping is required under 106.265.
FUEL	106.412	09/04/2000	Maintain records of verifying the equipment loaded and fuels used is limited to those listed 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.
AMTANK1	106.477	09/04/2000	Maintain records of PBR and records verifying that the tank is authorized under this PBR.
AMTANK2	106.477	09/04/2000	Maintain records of PBR and records verifying that the tank is authorized under this PBR.
DIESTNK	106.473	09/04/2000	Maintain records of monthly throughputs and materials stored to verify the chemicals stored are authorized by the PBR
GASTNK	106.473	09/04/2000	Maintain records of monthly throughputs and materials stored to verify the chemicals stored are authorized by the PBR

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Form OP-REQ1: Page 1		
I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter		
A. Visible Emissions		
◆	1. The application area includes stationary vents constructed on or before January 31, 1972.	<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 type="checkbox"/> YES <input checked="" 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

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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 checked="" type="checkbox"/> YES <input 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 checked="" type="checkbox"/> NO
◆	b. The application area is subject to 30 TAC § 111.145.
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	c. The application area is subject to 30 TAC § 111.147.
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	d. The application area is subject to 30 TAC § 111.149.
	<input checked="" 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 checked="" type="checkbox"/> YES <input 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 checked="" type="checkbox"/> NO

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Form OP-REQ1: Page 3		
I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)		
C. Emissions Limits on Nonagricultural Processes (continued)		
4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	<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

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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 checked="" type="checkbox"/> YES <input 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

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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 checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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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 checked="" 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

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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

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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 checked="" type="checkbox"/> NO <input 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

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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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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 checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
3. Asphalt emulsion is used or produced within the application area.	<input type="checkbox"/> YES <input checked="" 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 checked="" 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 checked="" type="checkbox"/> NO <input 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 checked="" 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)	
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 checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> YES <input 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 type="checkbox"/> YES <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 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%;"> <p>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.</p> </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%;"> <p>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></p> </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%;"> <p>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.</p> </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%;"> <p>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></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 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></p> </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%;"> <p>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></p> </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		
<i>Applicability</i>		
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
<i>Vapor Collection and Closed Vent Systems</i>		
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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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>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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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)	
5. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <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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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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Form OP-REQ1: Page 61	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)	
32. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. <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)	
Drains (continued)	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). <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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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). <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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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
21. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<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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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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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 checked="" type="checkbox"/> YES <input 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 checked="" 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 checked="" 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	
◆ 1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone	
A. Subpart A - Production and Consumption Controls	
◆ 1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
B. Subpart B - Servicing of Motor Vehicle Air Conditioners	
◆ 1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	
◆ 1. The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
D. Subpart D - Federal Procurement	
◆ 1. The application area is owned/operated by a department, agency, or instrumentality of the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
E. Subpart E - The Labeling of Products Using Ozone Depleting Substances	
◆ 1. The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)	
F. Subpart F - Recycling and Emissions Reduction	
◆	1. Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.
	<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	
◆ 1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. <i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below.	
C. Emission Limitation Certifications	
◆ 1. The application area includes units for which federally enforceable emission limitations have been established by certification.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements	
1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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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

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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 checked="" type="checkbox"/> YES <input 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 type="checkbox"/> YES <input checked="" 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 checked="" 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 checked="" type="checkbox"/> NO

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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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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 type="checkbox"/> NO <input checked="" 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

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

Date:	03/15/2024
Permit No.:	O2084
RN No.:	RN100213107

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 85		
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 checked="" type="checkbox"/> YES <input 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> NO

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Form OP-REQ1: Page 86		
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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> NO
◆	15. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	16. The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" 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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Form OP-REQ1: Page 87			
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)			
E. PSD Permits and PSD Major Pollutants			
PSD Permit No.: PSDTX955GHG	Issuance Date: 11/29/2012	Pollutant(s): GHG	
PSD Permit No.: PSDTX955M1	Issuance Date: 10/15/2012	Pollutant(s): NO _x , CO, PM ₁₀	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.: N021M1	Issuance Date: 10/15/2012	Pollutant(s): NO _x , VOC	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
◆ H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area			
Authorization No.: 42179	Issuance Date: 04/03/2020	Authorization No.: 164774	Issuance Date: 04/28/2021
Authorization No.: 156050	Issuance Date: 04/25/2019	Authorization No.:	Issuance Date:
Authorization No.: 159449	Issuance Date: 01/17/2020	Authorization No.:	Issuance Date:
Authorization No.: 163539	Issuance Date: 01/12/2021	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.: 106.371	Version No./Date: 09/04/2000
PBR No.: 106.412	Version No./Date: 09/04/2000
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.474	Version No./Date: 09/04/2000
PBR No.: 106.477	Version No./Date: 09/04/2000
PBR No.: 106.511	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:
◆ 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.
03/15/2024	O2084	RN100213107

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
A	4	GTG/HRSG1	OP-UA11	NSPS TTTT	§ 60.5509	This rule does not apply to modifications of stationary combustion turbines.
A	5	GTG/HRSG2	OP-UA11	NSPS TTTT	§ 60.5509	This rule does not apply to modifications of stationary combustion turbines.
A	6	GTG/HRSG3	OP-UA11	NSPS TTTT	§ 60.5509(a)	Not constructed after January 8, 2014 and not modified or reconstructed after June 18, 2014.
D	16	GRPGTG	OP-UA11	NSPS KKKK	§60.4415(a)(2)	The turbines are now subject to NSPS KKKK.
A	16	GRPGTGHRSG	OP-UA11	NSPS GG	§ 60.4305(b)	Stationary combustion turbines regulated under NSPS KKKK are exempt from the requirements of NSPS GG.
A	17	GRPGTGHRSG	OP-UA6	NSPS Db	§ 60.40b(i)	The heat recovery steam generators associated with the stationary combustion turbines are now subject to NSPS KKKK and so are not subject to this rule.
A	17	GRPGTGHRSG	OP-UA6	NSPS Da	§ 60.40Da(e)(1)	The heat recovery steam generators used with duct burners are now subject to NSPS KKKK and so are not subject to this rule.
A	17	GRPGTGHRSG	OP-UA6	MACT JJJJJ	§ 63.11195(e)	Gas-fired boilers are not subject to this subpart.

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

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

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
A	18	AMTANK1	OP-UA3	NSPS Kb	§60.110b(a)	The tank does not store a volatile organic liquid.
A	18	AMTANK1	OP-UA3	Chapter 115	§115.111(a)	The tank does not store a volatile organic compound.
A	19	AMTANK2	OP-UA3	NSPS Kb	§60.110b(a)	The tank does not store a volatile organic liquid.
A	19	AMTANK2	OP-UA3	Chapter 115	§115.111(a)	The tank does not store a volatile organic compound.
A	20	DIESTNK	OP-UA3	NSPS Kb	§60.110b(a)	The tank capacity is less than 19,800 gallons.
A	20	DIESTNK	OP-UA3	Chapter 115	§115.111(a)(8)	The tank capacity is less than 1,000 gallons.
A	21	GASTNK	OP-UA3	NSPS Kb	§60.110b(a)	The tank capacity is less than 19,800 gallons.
A	21	GASTNK	OP-UA3	Chapter 115	§§115.111(a)(8)	The tank capacity is less than 1,000 gallons.

FORM OP-SUMR

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR

[Table 1](#)

Date:	3/15/2024
Permit No.:	O2084
Regulated Entity No.:	RN100213107

Unit / Process AI	Unit / Process Revision No.	Unit / Process ID No.	Unit/Process Applicable Form	Unit / Process Name / Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116 / 30 TAC Chapter 106	Preconstruction Authorizations Title I
		AUXBOIL1	OP-UA15	AUXILIARY BOILER STACK		42179	PSDTX955M1, N021M1
		AUXBOIL2	OP-UA15	AUXILIARY BOILER STACK		42179	PSDTX955M1, N021M1
		AUXBOIL-3	OP-UA15	AUXILIARY BOILER STACK		42179	PSDTX955M1, N021M1
		B-1	OP-UA6	AUXILIARY BOILER		42179	PSDTX955M1, N021M1
		B-2	OP-UA6	AUXILIARY BOILER		42179	PSDTX955M1, N021M1
		B-3	OP-UA6	AUXILIARY BOILER		42179	PSDTX955M1, N021M1
		COOLTWR1	OP-UA13	COOLING TOWER NO. 1		42179	PSDTX955M1, N021M1
D	15	CTG3	OP-UA11	COMBUSTION TURBINE 3		42179, 164774	PSDTX955M1, N021M1
		CW-500	OP-UA3	CLARIFIED WATER TANK		106.472/09/04/2000	
		DEG-1	OP-UA16	DEGREASER		106.454/09/04/2000	
		EMENG1	OP-UA2	PROPANE-FIRED EMERGENCY GENERATOR		106.511/09/04/2000	
		EMENG1STK	OP-UA15/OP-REQ2	PROPANE-FIRED EMERGENCY GENERATOR STACK		106.511/09/04/2000	
		EMENG2	OP-UA2	PROPANE-FIRED EMERGENCY GENERATOR		106.511/09/04/2000	
		EMENG2STK	OP-UA15/OP-REQ2	PROPANE-FIRED EMERGENCY GENERATOR STACK		106.511/09/04/2000	
		EMERGAIROCOMP	OP-UA2	EMERGENCY ENGINE		106.511/09/04/2000	
		FUELGASFUG	OP-UA12	FUEL GAS SYSTEM FUGITIVES		42179	PSDTX955M1, N021M1
D	13	GTG-1	OP-UA11	TURBINE		42179, 159449	PSDTX955M1, N021M1
D	14	GTG-2	OP-UA11	TURBINE		42179, 163539	PSDTX955M1, N021M1
	4	GTG/HRSG1	OP-UA6/OP-UA11	TURBINE/HEAT RECOVERY STEAM GENERATOR 1		42179, 159449	PSDTX955M1, N021M1
	5	GTG/HRSG2	OP-UA6/OP-UA11	TURBINE/HEAT RECOVERY STEAM GENERATOR 2		42179, 163539	PSDTX955M1, N021M1
	6	GTG/HRSG3	OP-UA6/OP-UA11	TURBINE/HEAT RECOVERY STEAM GENERATOR 3		42179, 164774	PSDTX955M1, N021M1
A	7	GTG/HRSG1-STK	OP-UA15	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK		42179, 159449	PSDTX955M1, N021M1
A	8	GTG/HRSG2-STK	OP-UA15	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK		42179, 163539	PSDTX955M1, N021M1
A	9	GTG/HRSG3-STK	OP-UA15	TURBINE/HEAT RECOVERY STEAM GENERATOR STACK		42179, 164774	PSDTX955M1, N021M1
D	10	HRSG-1	OP-UA6	HEAT RECOVERY STEAM GENERATOR		42179, 159449	PSDTX955M1, N021M1
D	11	HRSG-2	OP-UA6	HEAT RECOVERY STEAM GENERATOR		42179, 163539	PSDTX955M1, N021M1
D	12	HRSG3	OP-UA6	HEAT RECOVERY STEAM GENERATOR 3		42179, 164774	PSDTX955M1, N021M1
		IBD-TK-001	OP-UA3/OP-REQ2	BLOWDOWN TANK		106.472/09/04/2000	
		LUBEOILFUG	OP-UA12	LUBRICATING OIL SYSTEM FUGITIVES		42179	PSDTX955M1, N021M1
		NH3FUG	OP-UA12	AMMONIA FUGITIVES		42179	PSDTX955M1, N021M1
		OBD-TK-002	OP-UA3/OP-REQ2	AUXILIARY BOILER BLOWDOWN		106.472/09/04/2000	
		OBD-TK-003	OP-UA3/OP-REQ2	AUXILIARY BOILER BLOWDOWN		106.472/09/04/2000	
		OCF-TK-001	OP-UA3/OP-REQ2	PHOSPHATE/POLYMER UP BLEND		106.472/09/04/2000	
		OCF-TK-002AX	OP-UA3/OP-REQ2	OXYGEN SCAVENGER STORAGE TANK		106.472/09/04/2000	
		OCF-TK-003	OP-UA3/OP-REQ2	OXYGEN SCAVENGER STORAGE TANK		106.472/09/04/2000	
		OCF-TK-004AX	OP-UA3/OP-REQ2	NEUTRALIZING AMINE STORAGE TANK		106.472/09/04/2000	
	22	OCF-TK-004	OP-UA3/OP-REQ2	CORROSION INHIBITOR TANK		106.472/09/04/2000	
		OCF-TK-005	OP-UA3/OP-REQ2	PHOSPHATE/POLYMER TANK		106.472/09/04/2000	
		OCF-TK-007	OP-UA3/OP-REQ2	SODIUM HYPOCHLORITE TANK		106.472/09/04/2000	
		OCF-TK-008	OP-UA3/OP-REQ2	CORROSION INHIBITOR TANK		106.472/09/04/2000	
		OCF-TK-009	OP-UA3/OP-REQ2	SULFURIC ACID TANK		106.472/09/04/2000	
		OCF-TK-010	OP-UA3/OP-REQ2	DREW 11-729 TANK		106.472/09/04/2000	
		OCH-TK-001	OP-UA3/OP-REQ2	CYCLE MAKE UP WATER TANK		106.472/09/04/2000	
		ODW-TK-001	OP-UA3/OP-REQ2	DEMINERALIZED WATER TANK		106.472/09/04/2000	
		ODW-TK-002	OP-UA3/OP-REQ2	DEMINERALIZED WATER TANK		106.472/09/04/2000	
		OILDEMIST	OP-UA12	OIL MIST ELIMINATOR FUGITIVES		42179	PSDTX955M1, N021M1

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR

[Table 1](#)

Date:	3/15/2024
Permit No.:	O2084
Regulated Entity No.:	RN100213107

Unit / Process AI	Unit / Process Revision No.	Unit / Process ID No.	Unit/Process Applicable Form	Unit / Process Name / Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116 / 30 TAC Chapter 106	Preconstruction Authorizations Title I
		TANK10	OP-UA3/OP-REQ2	PHOSPHATE STORAGE TANK		106.472/09/04/2000	
		TANK11	OP-UA3/OP-REQ2	ANTIFOULANT TANK		106.472/09/04/2000	
		TANK12	OP-UA3/OP-REQ2	ANTIFOULANT TANK		106.472/09/04/2000	
		TANK13	OP-UA3/OP-REQ2	HYDROCHLORIC ACID TANK		106.472/09/04/2000	
		TANK14	OP-UA3/OP-REQ2	CAUSTIC STORAGE TANK		106.472/09/04/2000	
		TANK15	OP-UA3/OP-REQ2	CORROSION INHIBITOR TANK		106.472/09/04/2000	
		TANK16	OP-UA3/OP-REQ2	SULFURIC ACID TANK		106.472/09/04/2000	
		TANK1	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK2	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK3	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK4	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK5	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK6	OP-UA3/OP-REQ2	OIL DRUM		106.472/09/04/2000	
		TANK7	OP-UA3/OP-REQ2	LUBE OIL RESERVOIRS		106.472/09/04/2000	
		TANK8	OP-UA3/OP-REQ2	PHOSPHATE STORAGE TANK		106.472/09/04/2000	
		TANK9	OP-UA3/OP-REQ2	PHOSPHATE STORAGE TANK		106.472/09/04/2000	
		TK-400	OP-UA3/OP-REQ2	SODIUM HYPOCHLORITE TANK		106.472/09/04/2000	
		TK-410	OP-UA3/OP-REQ2	POLYMER TANK		106.472/09/04/2000	
A	18	AMTANK1	OP-UA3/OP-REQ2	AMMONIA TANK		106.477/09/04/2000	
A	19	AMTANK2	OP-UA3/OP-REQ2	AMMONIA TANK		106.477/09/04/2000	
A	20	DIESTNK	OP-UA3/OP-REQ2	DIESEL TANK		106.473/09/04/2000	
A	21	GASTNK	OP-UA3/OP-REQ2	GASOLINE TANK		106.473/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR

[Table 2](#)

Date:	3/15/2024
Permit No.:	O2084
Regulated Entity No.:	RN100213107

Revision No.	ID No.	Applicable Form	Group A1	Group ID No.
4	GTG/HRSG1	OP-UA11		GRPGTGHRSG
5	GTG/HRSG2	OP-UA11		GRPGTGHRSG
6	GTG/HRSG3	OP-UA11		GRPGTGHRSG
7	GTG/HRSG1-STK	OP-UA15	A	GRPGTGSTK
8	GTG/HRSG2-STK	OP-UA15	A	GRPGTGSTK
9	GTG/HRSG3-STK	OP-UA15	A	GRPGTGSTK

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

Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO₂ Trading Program

Date:	3/15/2024
Permit No.:	O2084
Regulated Entity No.:	RN100213107

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO ₂	Texas SO ₂ Monitoring	COR
GTG/HRSG1	OP-UA11	CTG-1	YES	RENEW	YES	CEMS	NO		YES
GTG/HRSG2	OP-UA11	CTG-2	YES	RENEW	YES	CEMS	NO		YES
GTG/HRSG3	OP-UA11	CTG-3	YES	RENEW	YES	CEMS	NO		YES

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.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
EMENG1	63ZZZZ-ENG-1	AREA	100-	02-	NO	EMER-A	4SLB
EMENG2	63ZZZZ-ENG-2	AREA	100-	02-	NO	EMER-A	4SLB
EMERGAIRCOMP	63ZZZZ-ENG-3	AREA	100-	02-	NO	EMER-A	4SLB

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.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
EMENG1	60IIII	2005-				
EMENG2	60IIII	2005-				
EMERGAIRCOMP	60IIII	2005-				

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.
03/15/2024	O2084	RN100213107

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.
AMTANK1	60Kb	OTHER3								
AMTANK2	60Kb	OTHER3								
DIESTNK	60Kb	VOL	10K-							
GASTNK	60Kb	VOL	10K-							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
AMTANK1	115B	NO		OTHER1				
AMTANK2	115B	NO		OTHER1				
DIESTNK	115B	NO		VOC1	A1K-			
GASTNK	115B	NO		VOC1	A1K-			

FORM OP-UA6

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 3)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Da: Standards of Performance for Electric Utility Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input of Fossil Fuel	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Changes to Existing Affected Facility	Percent (%) Coal Refuse	Combined Cycle Type	PM Commercial Demonstration Permit	PM Standard Basis
GTG/HRSG1	60Da	11+M	250+	NG	GFF		NO	NO	KKKK		
GTG/HRSG2	60Da	11+M	250+	NG	GFF		NO	NO	KKKK		
GTG/HRSG3	60Da	05-11C	250+	NG	GFF		NO	NO	KKKK		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
GRPAUXBOIL	60Db-FG-1	97-05CR	250+	NO	NO	NO	NO	NO
GRPAUXBOIL	60Db-MG-1	97-05CR	250+	NO	NO	NO	NO	NO
GRPAUXBOIL	60Db-NG-1	97-05CR	250+	NO	NO	NO	NO	NO
GTG/HRSG1	60Db	05+M	250+	NO	NO	NO	YES	
GTG/HRSG2	60Db	05+M	250+	NO	NO	NO	YES	
GTG/HRSG3	60Db	05+CR	250+	NO	NO	NO	YES	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 7)
Federal Operating Permit Program
Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Subpart D	Subpart J	Subpart E	ACF Option SO ₂	ACF Option PM	ACF Option NO _x
GRPAUXBOIL	60Db-FG-1	GFF				NO	NO	OTHR	OTHR	OTHR
GRPAUXBOIL	60Db-MG-1	NG	GFF			NO	NO	OTHR	OTHR	OTHR
GRPAUXBOIL	60Db-NG-1	NG				NO	NO	OTHR	OTHR	OTHR

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 8)
Federal Operating Permit Program
Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	60.42b(k)(2) Low Sulfur Exemption	60.42b (k)(4) Alternative	Post-Combustion Control	60.43b(h)(2) Alternative	Electrical or Mechanical Output	Output Based Limit	Steam with Electricity	Electricity Only	60.49 Da(n) Alternative	60.49 Da(m) Alternative
GRPAUXBOIL	60Db-FG-1					NO				NO	NO
GRPAUXBOIL	60Db-MG-1					NO				NO	NO
GRPAUXBOIL	60Db-NG-1					NO				NO	NO

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 9)
Federal Operating Permit Program
Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Residual Oil Sampling	Monitoring Type PM	Monitoring Type Opacity	Monitoring Type NO _x	Monitoring Type SO ₂	Technology Type	Unit Type	Heat Release Rate	Heat Input Gas/Oil	Heat Input Wood	Fuel Heat Input
GRPAUXBOIL	60Db-FG-1		NONE	NONE	CEM	NONE	NONE	OTHER				
GRPAUXBOIL	60Db-MG-1		NONE	NONE	CEM	NONE	NONE	OTHER	NGHIGH			
GRPAUXBOIL	60Db-NG-1		NONE	NONE	CEM	NONE	NONE	OTHER	NGHIGH			

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 10)
Federal Operating Permit Program
Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Alternate Emission Limit (AEL)	AEL ID. NO.	Facility Type	Monitoring Device	Common Fuel Source
GRPAUXBOIL	60Db-FG-1					
GRPAUXBOIL	60Db-MG-1					
GRPAUXBOIL	60Db-NG-1					

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 13)
Federal Operating Permit Program
Table 5a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and
Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Unit Type	MRC	RACT Date Placed in Service	Functionally Identical Replacement	Fuel Type	Fuel Type	Fuel Type	Annual Heat Input
GRPAUXBOIL	R7300-MSS-2	ICIB	250+			NG	GS		22+
GRPAUXBOIL	R7300-NORMAL-2	ICIB	250+			NG	GS		22+

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 14)
Federal Operating Permit Program
Table 5b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and
Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	NO _x Emission Limitation	Opt-In Unit	23C- Option	Title 30 TAC Chapter 116 Permit Limit	EGF System Cap Unit	NO _x Emission Limit Average	NO _x Reduction	Common Stack Combined
GRPAUXBOIL	R7300-MSS-2	310D				NO	BLK1-LB	POST1	
GRPAUXBOIL	R7300-NORMAL-2	310D				NO	BLK1-LB	POST1	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 15)
Federal Operating Permit Program
Table 5c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and
Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Fuel Type Heat Input	NO _x Monitoring System	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH ₃ Emission Limitation	NH ₃ Emission Monitoring
GRPAUXBOIL	R7300-MSS-2		CEMS	X40A	ACSS	CEMS	ACSS	CEMS
GRPAUXBOIL	R7300-NORMAL-2		CEMS	X40A	310C	CEMS	310C	CEMS

FORM OP-UA11

**Stationary Turbine Attributes
Form OP-UA11 (Page 6)
Federal Operating Permit Program**

**Table 3a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, Institutional, and
Industrial Sources in Ozone Nonattainment Area
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	Megawatt Rating	RACT Date Placed in Service (ICI)	Functionally Identical Replacement (ICI)	Service Type (ICI)	NO _x Emission Limitation (ICI)	23C-Option
GRPGTGHRSG	R7300-MSS-1	30+			TURB	310D	
GRPGTGHRSG	R7300-NORMAL-1	30+			TURB	310D	
GRPGTGHRSG	R7300-MSS-2	30+			DUCT	310D	
GRPGTGHRSG	R7300-NORMAL-2	30+			DUCT	310D	

Stationary Turbine Attributes
Form OP-UA11 (Page 7)
Federal Operating Permit Program
Table 3b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, Institutional, and
Industrial Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	30 TAC Chapter 116 Limit (ICI)	EGF System Cap Unit	Averaging Method	NO _x Reduction (ICI)	NO _x Monitoring System (ICI)
GRPGTGHRSG	R7300-MSS-1		YES	30D	POST1	75ARC
GRPGTGHRSG	R7300-NORMAL-1		YES	30D	POST1	75ARC
GRPGTGHRSG	R7300-MSS-2		YES	30D	POST1	75ARC
GRPGTGHRSG	R7300-NORMAL-2		YES	30D	POST1	75ARC

Stationary Turbine Attribute
Form OP-UA11 (Page 8)
Federal Operating Permit Program
Table 3c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, Institutional, and
Industrial Sources in Ozone Nonattainment Area
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH3 Emission Limitation	NH3 Monitoring
GRPGTGHRSG	R7300-MSS-1	X40A	ACSS	CEMS	ACSS	CEMS
GRPGTGHRSG	R7300-NORMAL-1	X40A	310C	CEMS	310C	CEMS
GRPGTGHRSG	R7300-MSS-2	X40A	ACSS	CEMS	ACSS	CEMS
GRPGTGHRSG	R7300-NORMAL-2	X40A	310C	CEMS	310C	CEMS

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.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO _x Standard	Fuel Type
GRPGTGHRSG	60KKKK-1	CHPT	2005C	850+	NO	NOTER	YES	NGO
GRPGTGHRSG	60KKKK-2	CHPT	2005C	850+	NO	NOTER	YES	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.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	75% of Peak	30 MW	Turbine Use	NO _x Control	NO _x Monitoring	Common Steam Header	Duct Burner
GRPGTGHRSG	60KKKK-1	NO		ELCT	NO	CEMS	CMN	YES
GRPGTGHRSG	60KKKK-2	YES	NO	ELCT	NO	CEMS	CMN	YES

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.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Location	SO ₂ Standard	Fuel Monitoring	Fuel Quality	Performance Test	Intermediate Storage	Fuel Schedules
GRPGTGHRSG	60KKKK-1	NO	NO	YES	SAMP	SAMP		
GRPGTGHRSG	60KKKK-2	NO	NO	YES	SAMP	SAMP		

FORM OP-UA12

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 11)**

Federal Operating Permit Program

Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone
Nonattainment Areas**

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	Title 30 TAC § 115.352 Applicable	< 250 Components at Site	Weight Percent VOC	Reciprocating Compressors or Positive Displacement Pumps
FUELGASFUG	115D	NONE			
NH3FUG	115D	NONE			
LUBEOILFUG	115D	NONE			
OILDEMIST	115D	NONE			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 138)
Federal Operating Permit Program
Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID. No.	SOP/GOP Index No.	Title 30 TAC § 115.780 Applicable	Less Than 250 Components at Site	Weight Percent HRVOC	Title 30 TAC Chapter 115 Fugitive Unit Components		
					Pumps with Shaft Seal System	Compressors with Shaft Seal System	Agitators with Shaft Seal System
FUELGASFUG	115H	NO					
NH3FUG	115H	NO					
LUBEOILFUG	115H	NO					
OILDEMIST	115H	NO					

FORM OP-UA13

Texas Commission on Environmental Quality

Cooling Tower Attributes

Form OP-UA13 (Page 1)

Federal Operating Permit Program

Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
COOLTWR1	63Q	NO	

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.
03/15/2024	O2084	RN100213107

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRPAUXSTK	R1111-1	NO		OTHER	NONE	72+	100+
GRPGTGSTK	R1111-2	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.
03/15/2024	O2084	RN100213107

Emission Point ID No.	SOP Index No.	Annual ACF	Heat Input	State Implementation Plan (SIP) Violation	Total Feed Capacity
GRPAUXSTK	R1111-1				
GRPGTGSTK	R1111-2				

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 40)
Federal Operating Permit Program
Table 15: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A, Division 5: Emission Limits on Nonagricultural Processes
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Emission Point ID No.	SOP Index No.	Effective Stack Height
GRPGTGSTK	R1151-1	NO

FORM OP-UA16

Solvent Degreasing Machine Attributes
Form OP-UA16 (Page 1) Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter E: Solvent Using Processes
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
03/15/2024	O2084	RN100213107

Unit ID No.	SOP/GOP Index No.	Solvent Degreasing Machine Type	Alternate Control Requirement (ACR)	Alternate Control Requirement ID No.	Solvent Sprayed	Solvent Vapor Pressure	Solvent Heated	Parts Larger Than Drainage	Drainage Area	Disposal in Enclosed Containers	Solvent/Air Interface Area	Emission Control Combinations
DEG-1	115E	RRC-S	NO		YES	0.6-	NO	NO	16-	YES		

MAJOR NSR SUMMARY TABLE

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
Hourly Emission Rates - Turbines and Duct Burners							
GTG/HRSG1	Turbine/HRSG No. 1 Siemens 501F (180 MW) + 475 MMBtu/hr DB	NO _x (5)	32.1	-	7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	7, 13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		NO _x (MSS)	350.0	-			
		CO	346.0	-			
		CO (MSS)	3200.0	-			
		VOC	26.9	-			
		VOC (MSS)	183.5	-			
		PM ₁₀	29.4	-			
		SO ₂	31.4	-			
		NH ₃	28.0	-			
		NH ₃ (MSS)	50.0	-			
		H ₂ SO ₄	4.8	-			
GTG/HRSG2	Turbine/HRSG No. 2 Siemens 501F (180MW) + 475 MMBtu/hr DB	NO _x (5)	32.1	-	7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	7, 13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		NO _x (MSS)	350.0	-			
		CO	346.0	-			

TCEQ-20648 (APD-ID164v1.0, Revised 09/22) Major NSR Summary Table
This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
		CO (MSS)	3200.0	-			
		VOC	26.9	-			
		VOC (MSS)	183.5	-			
		PM ₁₀	29.4	-			
		SO ₂	31.4	-			
		NH ₃	28.0	-			
		NH ₃ (MSS)	50.0	-			
		H ₂ SO ₄	4.8	-			
Hourly Emission Rates - Auxiliary Boilers							
AUXBOIL 1	Auxiliary Steam Boiler No. 1 430 MMBtu/hr	NO _x (5)	22.8	-	13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		CO	26.2	-			
		CO (MSS)	31.4	-			
		VOC	7.6	-			
		VOC (MSS)	9.1	-			
		PM ₁₀	7.6	-			

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
		SO ₂	6.2	-			
		NH ₃	1.4	-			
		H ₂ SO ₄	1.0	-			
AUXBOIL 2	Auxiliary Steam Boiler No. 2 430 MMBtu/hr	NO _x (5)	22.8	-	13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		CO	26.2	-			
		CO (MSS)	31.4	-			
		VOC	7.6	-			
		VOC (MSS)	9.1	-			
		PM ₁₀	7.6	-			
		SO ₂	6.2	-			
		NH ₃	1.4	-			
		H ₂ SO ₄	1.0	-			

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
AUXBOIL 3	Auxiliary Steam Boiler No. 3 430 MMBtu/hr	NO _x (5)	22.8	-	13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		CO	26.2	-			
		CO (MSS)	31.4	-			
		VOC	7.6	-			
		VOC (MSS)	9.1	-			
		PM ₁₀	7.6	-			
		SO ₂	6.2	-			
		NH ₃	1.4	-			
		H ₂ SO ₄	1.0	-			
Combined Annual Emission Rates - Turbines, Duct Burners, and Auxiliary Boilers							
GTG/HRSG 1, GTG/HRSG 2, AUXBOIL1, AUXBOIL2, & AUXBOIL3	Turbine/HRSG 1 - 2 and Auxiliary Boilers 1-3	NO _x	-	268.0	7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28	7, 13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 31, 32	13, 15, 16
		CO	-	937.0			
		VOC	-	102.0			
		PM ₁₀	-	180.0			
		SO ₂	-	22.5			

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
		NH ₃	-	237.8			
		H ₂ SO ₄	-	3.4			
GTG/HRSG3	Turbine/HRSG No. 3 Siemens 501F (180 MW) + 475 MMBtu/hr DB FD2 Option (9)	NO _x	18.0	61.5	7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28, 30	7, 13, 15, 16, 18, 19, 20, 21, 26, 27, 28, 30, 31, 32	13, 15, 16
		NO _x (MSS)	350.0	-			
		CO	236.0	231			
		CO (MSS)	3200.0	-			
		VOC	19.3	22.1			
		VOC (MSS)	183.5	-			
		PM	27.0	72.4			
		PM ₁₀	27.0	72.4			
		PM _{2.5}	27.0	72.4			
		SO ₂	33.6				
		NH ₃	23.3	61.9			
		NH ₃ (MSS)	50.0	-			
		H ₂ SO ₄	5.14	0.92			

Major NSR Summary Table

Permit Numbers: 42179, PSDTX955M1, N021M1					Issuance Date: April 3, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hr (6)	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
Additional Sources							
COOLTWR1	Cooling Tower 1 (7)	PM10	1.33	3.50	22	22, 31, 32	
LUBEOILFUG	Lubricating Oil Systems Fugitives (7, 8)	VOC	0.11	0.47		31, 32	
FUELGASFUG	Fuel Gas System (7, 8)	VOC	0.50	2.18		31, 32	
NH3FUG	Ammonia Fugitives (7, 8)	NH3	0.25	1.08	10, 11	10, 11, 31, 32	
OILDEMIST	Oil Mist Eliminator (All turbines) (7)	VOC	0.03	0.11		31	
TK-004	Americor 1,000-Gallon Storage Tank (7)	VOC	<0.01	<0.01		31	
TK-004AX	Americor 1,000-Gallon Storage Tank (7)	VOC	<0.01	<0.01		31	
MSSFUG	MSS-Related Fugitives (8)	NOx	<0.01	<0.01	27, 28, 30	27, 28, 30, 31, 32	
		CO	<0.01	<0.01			
		VOC	4.25	0.03			
		PM10	0.22	0.03			
		PM2.5	0.22	0.03			
		NH3	2.66	<0.01			

(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.

TCEQ-20648 (APD-ID164v1.0, Revised 09/22) Major NSR Summary Table

This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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
 - NH₃ - ammonia
 - H₂SO₄ - sulfuric acid
 - MSS - maintenance, startup, and shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The maximum pound per hour (lb/hr) NO_x emission rate is based on a rolling three-hour average.
- (6) Planned MSS lb/hr emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS activities, that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (7) The lb/hr and tpy emission limits specified in the table entitled "Emission Sources - Maximum Allowable Emission Rates" for this facility include emission from the facility during both normal operations and planned MSS activities.
- (8) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.
- (9) Emissions for GTG/HRSG3 FD3 Upgrade are authorized under Standard Permit 156050

END OF APPLICATION

Texas Commission on Environmental Quality

Title V Existing

2084

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	CHANNEL ENERGY CENTER
Does the site have a physical address?	Yes
Physical Address	
Number and Street	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718888
Longitude (W) (-###.#####)	95.231944
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)?	RN100213107
What is the name of the Regulated Entity (RE)?	CHANNEL ENERGY CENTER
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	451 LIGHT COMPANY RD
City	PASADENA
State	TX
ZIP	77506
County	HARRIS
Latitude (N) (##.#####)	29.718611
Longitude (W) (-###.#####)	-95.231666
Facility NAICS Code	
What is the primary business of this entity?	ELECTRIC POWER GENERATION & STEAM PROD

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601549132
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Channel Energy Center, LLC
Texas SOS Filing Number	14044711
Federal Tax ID	770555137
State Franchise Tax ID	17705551376
State Sales Tax ID	

Local Tax ID	
DUNS Number	139020189
Number of Employees	0-20
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	CHANNEL ENERGY CENTER LLC
Prefix	MR
First	EDMUND
Middle	
Last	SIMCIK
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)	451 LIGHT COMPANY RD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77506
Phone (###-###-####)	7134561324
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	edmund.simcik@calpine.com

Designated Representative Contact

Person TCEQ should contact for questions about this application:

Select existing DR contact or enter a new contact.	EDMUND SIMCIK(CHANNEL ENERGY ...)
Organization Name	CHANNEL ENERGY CENTER LLC
Prefix	MR
First	EDMUND
Middle	
Last	SIMCIK
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)	451 LIGHT COMPANY RD

Routing (such as Mail Code, Dept., or Attn:)

City

PASADENA

State

TX

Zip

77506

Phone (###-###-####)

7134561324

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

edmund.simcik@calpine.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

JARON BERGIN(CALPINE CORPORA...)

Organization Name

CALPINE CORPORATION

Prefix

MR

First

JARON

Middle

Last

BERGIN

Suffix

Credentials

Title

MANAGER REGIONAL EHS

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

Routing (such as Mail Code, Dept., or Attn:)

STE 1000

City

HOUSTON

State

TX

ZIP

77002

Phone (###-###-####)

7135704631

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

7138308871

E-mail

jaron.bergin@calpine.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 43 Min 8 Sec

3) Permit Longitude Coordinate:

95 Deg 13 Min 55 Sec

4) Is this submittal a new application or an update to an existing application?

New Application

4.1. What type of permitting action are you applying for?

Renewal

4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?

No

4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?

No

5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?

Yes

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name

OP_1_Channel TV Renewal Application 03-15-2024.pdf

Hash

F13F6F312738588A1ECA4B3293B6A4B58A17F27E39585D64D4E64B612744A361

MIME-Type

application/pdf

Attach OP-2 (Application for Permit Revision/Renewal)

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-PBR SUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

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.

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 Edmund M Simcik JR, the owner of the STEERS account ER071204.
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 Existing 2084.
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: Edmund M Simcik JR OWNER OPERATOR

Account Number:	ER071204
Signature IP Address:	131.239.248.82
Signature Date:	2024-03-19
Signature Hash:	7B8A50EC1E08CC63F73A3F3841BA586C15B6E3365AE429B9F1B54A6E67866616
Form Hash Code at time of Signature:	F54A8EBF1821D26A3C01D5B90BFEE72947AD44064F50C651EB862F141F3E4350

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 Edmund M Simcik JR, the owner of the STEERS account ER071204.
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 Existing 2084.
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: Edmund M Simcik JR OWNER OPERATOR

Account Number:	ER071204
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Signature IP Address:	131.239.248.82
Signature Date:	2024-03-19
Signature Hash:	7B8A50EC1E08CC63F73A3F3841BA586C15B6E3365AE429B9F1B54A6E67866616
Form Hash Code at time of Signature:	F54A8EBF1821D26A3C01D5B90BFEE72947AD44064F50C651EB862F141F3E4350

Submission

Reference Number:	The application reference number is 639426
Submitted by:	The application was submitted by ER071204/Edmund M Simcik JR
Submitted Timestamp:	The application was submitted on 2024-03-19 at 10:45:56 CDT
Submitted From:	The application was submitted from IP address 131.239.248.82
Confirmation Number:	The confirmation number is 529888
Steers Version:	The STEERS version is 6.73
Permit Number:	The permit number is 2084

Additional Information

Application Creator: This account was created by Zoe C Trieff