

Texas Commission on Environmental Quality

Title V Existing

2025

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	SEADRIFT PP FACILITY
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 State Highway 185
City	seadrift
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.507777
Longitude (W) (-###.#####)	96.772777
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	32519
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN106319379
What is the name of the Regulated Entity (RE)?	BRASKEM SEADRIFT POLYPROPYLENE PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 STATE HIGHWAY 185 N BLDG 101 SEADRIFT TX 77983
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.5077
Longitude (W) (-###.#####)	-96.7727
Facility NAICS Code	
What is the primary business of this entity?	POLYPROPYLENE PLASTIC MANUFACTURING

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN603921271
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Braskem America, Inc.
Texas SOS Filing Number	7072706
Federal Tax ID	
State Franchise Tax ID	12515344989

State Sales Tax ID	
Local Tax ID	
DUNS Number	161669049
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	BRASKEM AMERICA INC
Prefix	MR
First	GALILEU
Middle	
Last	MORAES HENRIQUE
Suffix	
Credentials	
Title	SEADRIFT FACILITY 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 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3614871129
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	galileu.henrique@braskem.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.	New Contact
Organization Name	Braskem America Inc
Prefix	MR
First	Gary
Middle	
Last	Rabik
Suffix	
Credentials	
Title	Environmental Engineer
Enter new address or copy one from list:	Responsible Official Contact
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	6103047307
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gary.rabik@braskem.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	28 Deg 30 Min 28 Sec
3) Permit Longitude Coordinate:	96 Deg 46 Min 22 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.	2025-36178
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

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

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	TitleV_Renewal_OP-CRO1_Update.pdf
Hash	1146B8ECDB8FF7BF2D44838E317501E04D2111F3EE02DED105D72F0878194F6F
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 Galileu Henrique, the owner of the STEERS account ER109867.
- 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 2025.
- 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: Galileu Henrique OWNER OPERATOR

Account Number:	ER109867
Signature IP Address:	155.190.8.5
Signature Date:	2025-09-15
Signature Hash:	F9B88462BEA8C3B167A6F8BB4E7D0131E81D5E36B6FEFC3C6A60A6EEBA18C072
Form Hash Code at time of Signature:	E4235FAB6D44C57B1B94240977382AF923B6C63DB6A799CDE9685CE2C4CC49A1

Submission

Reference Number:	The application reference number is 817943
Submitted by:	The application was submitted by ER109867/Galileu Henrique
Submitted Timestamp:	The application was submitted on 2025-09-15 at 14:38:07 CDT
Submitted From:	The application was submitted from IP address 155.190.8.5
Confirmation Number:	The confirmation number is 678269
Steers Version:	The STEERS version is 6.92

Permit Number:

The permit number is 2025

Additional Information

Application Creator: This account was created by Galileu Henrique

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

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

I. Identifying Information
RN: RN106319379
CN: CN603921271
Account No.: CB-A004-D
Permit No.: O2025
Project No.: 36178
Area Name: Seadrift PP Facility
Company Name: Braskem America, Inc
II. Certification Type <i>(Please mark appropriate box)</i>
☒ Responsible Official Representative ☐ Duly Authorized Representative
III. Submittal Type <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
☐ SOP/TOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application ☒ Update to Permit Application
☐ Other:

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

IV. Certification of Truth

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

I, Galileu Henrique certify that I am the Responsible Official (RO)
(Certifier Name printed or typed) *(RO or DAR)*

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

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

Time Period: From 01/09/2024 to 09/15/2025
(Start Date) *(End Date)*

Specific Dates: _____
(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

(Date 5) *(Date 6)*

Signature: _____ Signature Date: 9/15/25

Title: Seadrift Facility Manager

From: [MATTHEW KEITH KERNS](#)
To: [Liam Lin](#)
Cc: [GARY P RABIK](#); [GALILEU MORAES HENRIQUE](#); [THOMAS E CUBLER JR](#)
Subject: Re: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)
Date: Monday, September 15, 2025 3:09:04 PM
Attachments: [image002.png](#)

Good Afternoon Liam,
An updated OP-CRO1 has been submitted through STEERS: reference number 817943. Thank you.

Matt Kerns

From: Liam Lin <Liam.Lin@tceq.texas.gov>
Sent: Thursday, September 11, 2025 14:37
To: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>
Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>
Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

[MENSAGEM EXTERNA]: Tenha **CUIDADO** com links e anexos.
[EXTERNAL MESSAGE]: Be **CAREFUL** with links and attachments.
[MENSAJE EXTERNO]: Tenga **PRECAUCIÓN** con los enlaces y archivos adjuntos.
[EXTERNE NACHRICHT]: Seien Sie **VORSICHTIG** beim Öffnen von Links und Anhängen.

Good afternoon Matthew,

There is an update required for your application which is listed below:

- The application submitted on January 9, 2024, was signed by Anthony W. Bundick as the Duty Authorized Representative (DAR). Our database currently has Mr. Bundick listed as Mr. Tony Bundick. According to the OP-DEL instructions found at: [TCEQ Form 10011 - OP-DEL - Instructions Delegation of Responsible Official Information](#), the DAR's name should match the name associated with the name on the driver's license associated with the DAR's STEERS account. As such, an updated OP-DEL needs to be submitted to update Mr. Tony Bundick's name to Anthony W. Bundick. Once the updated OP-DEL has been received and processed, the certification for the original application will be processed.
- Alternatively, an OP-CRO1 signed by the Responsible Official, Mr. Galileu Henrique, certifying the January 9, 2024 submittal can be submitted through STEERS.

Please submit the updated forms through STEERS by Close of Business on **September 15, 2025**, please let me know by email once this step has been completed,

Sincerely,

Liam Lin
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278
Fax: (512) 239-1400

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

From: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>
Sent: Friday, September 5, 2025 8:25 AM
To: Liam Lin <Liam.Lin@tceq.texas.gov>
Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>
Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Good morning Liam,
Sorry for the delayed response. We have no further comments beyond those related to our response on August 22 and the OP-REQ1 submittal on August 26. Thank you.

Matt Kerns

From: Liam Lin <Liam.Lin@tceq.texas.gov>
Sent: Friday, September 5, 2025 08:22
To: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>
Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>
Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

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[EXTERNE NACHRICHT]: Seien Sie **VORSICHTIG** beim Öffnen von Links und Anhängen.

Good Morning Matthew,

Checking in to see if you have any comments regarding the WDP, if you do not have comments, please reply to this email with your approval of the WDP. Please respond to this email by Close of Business (C.O.B) today **September 5, 2025**.

Sincerely,

Liam Lin
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278
Fax: (512) 239-1400

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

From: Liam Lin
Sent: Tuesday, August 26, 2025 11:12 AM
To: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>
Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>
Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Good Morning Matthew,

Received, thank you. Just checking in to see if you have any comments regarding the Working Draft Permit (WDP). If you do not have any comments, please reply to this email with your approval of the (WDP).

From: [MATTHEW KEITH KERNS](#)
To: [Liam Lin](#)
Cc: [GARY P RABIK](#); [GALILEU MORAES HENRIQUE](#); [THOMAS E CUBLER JR](#)
Subject: Re: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)
Date: Friday, September 5, 2025 8:25:58 AM
Attachments: [image007.png](#)

Good morning Liam,
Sorry for the delayed response. We have no further comments beyond those related to our response on August 22 and the OP-REQ1 submittal on August 26. Thank you.

Matt Kerns

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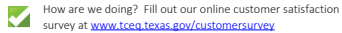
Good Morning Matthew,

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Sincerely,

Liam Lin
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278
Fax: (512) 239-1400



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Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

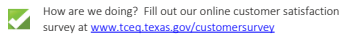
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Sincerely,

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MC-163, P.O. Box 13087
Austin, TX 78711-3087
Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278
Fax: (512) 239-1400



From: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>
Sent: Tuesday, August 26, 2025 9:33 AM
To: Liam Lin <Liam.Lin@tceq.texas.gov>
Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>
Subject: Re: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Good Morning Liam,
As requested, Braskem has submitted an updated OP-REQ1 form via STEERS. Please see attached confirmation. Thank you.

Matthew Kerns

Texas Commission on Environmental Quality

Title V Existing

2025

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	SEADRIFT PP FACILITY
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 State Highway 185
City	seadrift
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.507777
Longitude (W) (-###.#####)	96.772777
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Secondary SIC Code	
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Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Braskem America, Inc.
Texas SOS Filing Number	7072706
Federal Tax ID	
State Franchise Tax ID	12515344989

State Sales Tax ID	
Local Tax ID	
DUNS Number	161669049
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	BRASKEM AMERICA INC
Prefix	MR
First	GALILEU
Middle	
Last	MORAES HENRIQUE
Suffix	
Credentials	
Title	SEADRIFT FACILITY 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 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3614871129
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	galileu.henrique@braskem.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.	New Contact
Organization Name	Braskem
Prefix	MR
First	Gary
Middle	
Last	Rabik
Suffix	
Credentials	
Title	Environmental Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	6103047307
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gary.rabik@braskem.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	28 Deg 30 Min 28 Sec
3) Permit Longitude Coordinate:	96 Deg 46 Min 22 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.	2025-36178
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	N/A

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Attach OP-SUMR (Individual Unit Summary for Revisions)

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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	SD TitleVRenewal OPREQ1_Page 1_8.25.2025.pdf
Hash	EF6D596F86662CFCCAEE2602005640A3E97FEC37DE091DE0B84D44C887C3130
MIME-Type	application/pdf

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

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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 Galileu Henrique, the owner of the STEERS account ER109867.
- 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 2025.
- 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: Galileu Henrique OWNER OPERATOR

Account Number:	ER109867
Signature IP Address:	155.190.8.5
Signature Date:	2025-08-25
Signature Hash:	F9B88462BEA8C3B167A6F8BB4E7D0131E81D5E36B6FEFC3C6A60A6EEBA18C072
Form Hash Code at time of Signature:	13C51B78884E389A2A8013F76B3E63E933D6D6922AE45BE1C4B1EF7B2A36D66C

Submission

Reference Number:	The application reference number is 811974
Submitted by:	The application was submitted by ER109867/Galileu Henrique
Submitted Timestamp:	The application was submitted on 2025-08-25 at 16:50:16 CDT
Submitted From:	The application was submitted from IP address 155.190.8.5
Confirmation Number:	The confirmation number is 673572
Steers Version:	The STEERS version is 6.92

Permit Number:

The permit number is 2025

Additional Information

Application Creator: This account was created by Matthew K Kerns

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

Date:	8/25/2025
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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

Application Created

This application will appear on your "Activities" page as long as it is awaiting an action that you can perform. To track this application, you will need the following information:

Application Reference Number: 811974

Application Password: uq5y4m

About This Password

You may change this password at any time. To change it, use [Set Access Rights](#) now or at anytime from your "Activities" page.

Allowing Others Access

If you want other STEERS ER account holders to be able to view or work on this application, you have two options.

Option 1: Give Them The Reference Number and Password.

- This is the more secure choice. Users who access the application this way will not be able to change access rights to it.
- Be sure that their STEERS Participation Agreement is consistent with the work they should do on this application. If their SPA allows them to sign, pay for, and submit applications, they will be able to sign, pay, and submit this application.
- This application will not appear in the list on their "Activities" page. To get it, they will have to click the "Access" button and then enter its reference number and password.

Option 2: Use [Set Access Rights](#) to Add Their STEERS ER Account Number to The Application.

- As with Option 1, they will be able to do whatever their SPA allows. But they will also be able to use [Set Access Rights](#) to decide whether other account holders -- including you -- can view or work on this application. Be sure you trust them with this role as well as all roles available to them instead of their SPA.
- This application will appear in the list of applications shown on their "Activities" page.

Click to fill out the Title V Existing type Application Reference No: 811974.

From: Liam Lin <Liam.Lin@tceq.texas.gov>

Sent: Friday, August 22, 2025 17:03

To: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>

Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>

Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

[MENSAGEM EXTERNA]: Tenha CUIDADO com links e anexos.

[EXTERNAL MESSAGE]: Be CAREFUL with links and attachments.

[MENSAJE EXTERNO]: Tenga PRECAUCIÓN con los enlaces y archivos adjuntos.

[EXTERNE NACHRICHT]: Seien Sie VORSICHTIG beim Öffnen von Links und Anhängen.

Good Evening Matthew,

Thank you for your comments on the WDP. I have attached an updated version of the WDP for your review. Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project. There is an update required for the application which is listed below.

1. Form OP-REQ1 – In the Working Draft Permit response submitted on August 22, 2025, you requested the addition of Special Terms and Conditions 3.D for Test Method 9. However, on form OP-REQ1, you answered Question I.A.5. as No. Please submit and updated form OP-REQ1 page 1 with the question answered as Yes.

Please submit the updated form OP-REQ1 through STEERS by Noon on **August 26, 2025**. Please review the WDP and submit to me any comments you have on the WDP by the above reference date, if you do not have any comments, reply to this email with your approval of the WDP. Thank you.

Sincerely,

Liam Lin

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC-163, P.O. Box 13087

Austin, TX 78711-3087

Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278

Fax: (512) 239-1400



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

From: MATTHEW KEITH KERNS <matthew.kerns@braskem.com>

Sent: Friday, August 22, 2025 11:01 AM

To: Liam Lin <Liam.Lin@tceq.texas.gov>

Cc: GARY P RABIK <gary.rabik@braskem.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>

Subject: Fw: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Hello Liam,

I've recently joined Braskem as the Environmental lead for the Seadrift site. Please see the attached Braskem markup with comments to the WDP you provided Monday.

Thank you.

Matt Kerns
Environmental Lead

From: Liam Lin <Liam.Lin@tceq.texas.gov>

Sent: Monday, August 18, 2025 1:54 PM

To: GARY P RABIK <gary.rabik@braskem.com>

Cc: Perez, Oscar (Austin) <oscar.f.perez@aecom.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>

Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Good Afternoon Gary,

An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided. Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project.

Per your request, we have deleted § 60.482-1(g) from all components for Unit ID. 578 as well as § 60.482-1(f)(1), § 60.482-1(f)(2), and [G] § 60.482-1(f)(3) from Unit ID.578 for pumps in light liquid service. Unfortunately, our technical specialist has reviewed your request, and we will be denying your request to delete the additional § 60.482 citations. I have included below in red our Technical Specialists' assessment of your request.

- o For Title V permits, changes to the permit in a renewal are not solely based upon whether the applicant has made a change at their site. Since we need to ensure that the latest applicable requirements are included, we will always update the requirements to be consistent with our latest rule analysis (which can be viewed in the Decision Support System on our website). In general, there are several reasons why our rule analysis may have changed since the last time a permit was worked on. We may have updated it to incorporate rule amendments, we may have discovered technical or typographical errors that needed correction, or we may have made programmatic changes regarding how we handle certain types of requirements. Please note that there are times where our rule analysis does not yet include the most recent rule amendment – agency staff work to update these as soon as possible.

- o The additional 60.482 and 60.486 citations are referenced citations from NSPS VV that were missing from the previous permit due to an error on our end. The previous permit had incomplete citations from NSPS VV but now the citations are consistent with our rule analysis. For the few citations for which the applicant provided specific explanations as to why they do not apply, we will address those requests now. If the applicant wants additional citations removed beyond that, they will need to provide reasons why they do not apply.
- o The additional 60.562 citations in the monitoring/testing, recordkeeping, and reporting columns are citations that were already included in the existing requirements (in the standards column). However, we determined that the citations contained more than one category of requirements and so needed to be listed in multiple columns

Please let me know if you have any questions. Please review the WDP and submit to me any comments you have on the working draft permit by **August 25, 2025**. Please respond to this email with your approval of the WDP if you do not have any comments. Thanks.

Sincerely,

Liam Lin

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC-163, P.O. Box 13087

Austin, TX 78711-3087

Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278

Fax: (512) 239-1400



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

From: GARY P RABIK <gary.rabik@braskem.com>

Sent: Monday, March 17, 2025 2:05 PM

To: Liam Lin <Liam.Lin@tceq.texas.gov>

Cc: Perez, Oscar F (Austin) <oscar.f.perez@secom.com>; GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>; THOMAS E CUBLER JR <TOM.CUBLERJR@braskem.com>

Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Liam,

I reached out to our consultant who helped prepare the permit renewal application and they advised me that they are in the middle of emission inventory reporting right now. We therefore respectfully request an additional 30 days (until April 23rd) to complete our review of your request and prepare and submit the response.

Thank you for your continued support in the past and request your concurrence with our extension request.

Gary

From: GARY P RABIK

Sent: Tuesday, March 11, 2025 1:23 PM

To: Liam Lin <Liam.Lin@tceq.texas.gov>

Subject: RE: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Liam,

Per Galileu's email below, I am assisting the Seadrift Plant as they find Tony Bundick's replacement.

I am not completely familiar with the renewal application so I will be reviewing it over the next few days and will reach out to you early next week with my assessment as to whether an extension to the March 24th deadline will be required.

In the meantime, let me know if you would like to discuss this before I complete my review.

Thoughts?

Thanks,

Gary

From: GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>

Sent: Monday, March 10, 2025 4:42 PM

To: Liam Lin <Liam.Lin@tceq.texas.gov>

Cc: GARY P RABIK <gary.rabik@braskem.com>; OSCAR PEREZ <OSCARPP09@braskem.com>; TRINIDAD GOMEZ JR <TRINIDAD.GOMEZ@BRASKEM.COM>

Subject: FW: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

Good afternoon Liam Lin.

Thank you for your email with the instructions.

Tony Bundick no longer works at Braskem. Until we hire a new person, Gary Rabik is supporting Seadrift site as responsible for the site's environment inquiries.

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Braskem America, Inc.

AUTHORIZING THE OPERATION OF
Seadrift  Facility
Other Basic Organic Chemical Manufacturing

LOCATED AT
Calhoun County, Texas
Latitude 28° 30' 28" Longitude 96° 46' 22"
Regulated Entity Number: RN106319379

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 and emission units listed in this permit. Operations of the site and emission units 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 and emission units 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 and emission units.

Permit No: 02025 Issuance Date: _____

For the Commission

evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
 - E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
 - F. 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)

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)
						compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.		§ 115.126(3)(B)	
576	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
577	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Thank you,
Galileu Henrique

From: Liam Lin <Liam.Lin@tceq.texas.gov>
Sent: Monday, March 10, 2025 2:53 PM
To: tony.bundick@braskem.com
Cc: GALILEU MORAES HENRIQUE <galileu.henrique@braskem.com>
Subject: Technical Review & Working Draft Permit - FOP: O2025 Braskem America Inc, Seadrift PP Facility (Renewal, 36178)

[MENSAGEM EXTERNA]: Tenha **CUIDADO** com links e anexos.
[EXTERNAL MESSAGE]: Be **CAREFUL** with links and attachments.
[MENSAJE EXTERNO]: Tenga **PRECAUCIÓN** con los enlaces y archivos adjuntos.
[EXTERNE NACHRICHT]: Seien Sie **VORSICHTIG** beim Öffnen von Links und Anhängen.

Good Afternoon Mr. Bundick,

I have been assigned to the Federal Operating Permit (FOP) Renewal application of Permit No. O2025 for Braskem America, Inc., Seadrift PP Facility. This application has been assigned Project No. 36178. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:

- NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
- Reference to confidential business information (CBI) in NSR permits and PBR submittals.
- High level terms in the SOP Applicable Requirement Summary Table. The high level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
- Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it as well as the updated forms by Close of Business on March 24, 2024. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP.

After reviewing the permit application, I have determined some updates are needed which is listed below.

- Form OP-REQ1 Page 84- For question XI.M.I you answered the question as "N/A" however, the answer "N/A" is reserved for GOP applications, please update the answer to "NO".
- Form OP-REQ2 – Unfortunately, we are going to deny the permit shield that was requested for Unit ID. No. DENG-111, Chapter 115. Since the source is not located in the listed counties, a permit shield is not necessary. Please submit an updated Form OP-REQ2 with a strikethrough over this Unit.
- Form OP-PBRSUP – All Units that are listed in tables A and B are required to be listed in Table D. Please submit an updated form OP-PBRSUP.
- Form OP-UA28 – Unit IDs. PRORMPREP, PROREACTN and PROSTORE are missing SOP Index No. Please submit an updated form OP-UA28.
- Process Description – Please submit an updated process description.
- Form OP-1 – Please review form OP-1 Section XI. Public Notice Contact Person to verify the information is current and accurate.

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

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

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,

Liam Lin

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC-163, P.O. Box 13087

Austin, TX 78711-3087

Liam.Lin@tceq.texas.gov

Phone: (512) 239-1278

Fax: (512) 239-1400



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Texas Commission on Environmental Quality

Title V Existing

2025

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	SEADRIFT PP FACILITY
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 State Highway 185
City	seadrift
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.507777
Longitude (W) (-###.#####)	96.772777
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	32519
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN106319379
What is the name of the Regulated Entity (RE)?	BRASKEM SEADRIFT POLYPROPYLENE PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 STATE HIGHWAY 185 N BLDG 101 SEADRIFT TX 77983
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.5077
Longitude (W) (-###.#####)	-96.7727
Facility NAICS Code	
What is the primary business of this entity?	POLYPROPYLENE PLASTIC MANUFACTURING

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN603921271
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Braskem America, Inc.
Texas SOS Filing Number	7072706
Federal Tax ID	
State Franchise Tax ID	12515344989

State Sales Tax ID	
Local Tax ID	
DUNS Number	161669049
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	BRASKEM AMERICA INC
Prefix	MR
First	GALILEU
Middle	
Last	MORAES HENRIQUE
Suffix	
Credentials	
Title	SEADRIFT FACILITY 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 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3614871129
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	galileu.henrique@braskem.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.	New Contact
Organization Name	Braskem America Inc
Prefix	MR
First	Gary
Middle	
Last	Rabik
Suffix	
Credentials	
Title	Environmental Engineer
Enter new address or copy one from list:	Responsible Official Contact
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3614871129
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gary.rabik@braskem.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	28 Deg 30 Min 28 Sec
3) Permit Longitude Coordinate:	96 Deg 46 Min 22 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.	2025-36178
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

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

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

SOP - O2025 Braskem America Inc (Renewal 36178)Draft_Braskem Rvw 4.2025.docx

Hash

6D593A4EC2D7A16D5B1AA941617DC6C42A517E8133B3E9F1F2360F4BD7DE1135

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

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

[File Properties]

File Name

Braskem Seadrift Response to Information Request.pdf

Hash

75FDE6D948DC91B56EE8A9AD780B7F1AEE82380F168C75589B946FCCA3B4E678

MIME-Type

application/pdf

Certification

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

1. I am Galileu Henrique, the owner of the STEERS account ER109867.
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 2025.
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: Galileu Henrique OWNER OPERATOR

Account Number: ER109867

Signature IP Address: 155.190.8.5

Signature Date: 2025-04-18

Signature Hash: F9B88462BEA8C3B167A6F8BB4E7D0131E81D5E36B6FEFC3C6A60A6EEBA18C072

Form Hash Code at time of Signature: EAD7E45714ED98DD48CF1A006F73A1B95C296FFEFCB3FC94F02ED818AB91BF23

Submission

Reference Number:

The application reference number is 777171

Submitted by:	The application was submitted by ER109867/Galileu Henrique
Submitted Timestamp:	The application was submitted on 2025-04-18 at 12:11:53 CDT
Submitted From:	The application was submitted from IP address 155.190.8.5
Confirmation Number:	The confirmation number is 647486
Steers Version:	The STEERS version is 6.90
Permit Number:	The permit number is 2025

Additional Information

Application Creator: This account was created by Oscar F Perez

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)
						compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.		§ 115.126(3)(B)	
576	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
577	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

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)
					§ 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)		§ 60.485(f) § 60.562-2(d)	§ 60.562-2(e)	
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(i) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18	Comply with the requirements in as stated in	§ 60.482-10(e) § 60.485(a)	§ 60.482-1(g) [G]§ 60.486(a)	§ 60.487(a) [G]§ 60.487(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	§60.482-10 for flares.	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.562-2(d)	[G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	[G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light-liquid or heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10 [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 60.562-2(d)	Comply with the requirements in as stated in §60.482-10 for closed-vent systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

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)
					§ 60.562-2(e)				
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a)	Comply with the requirements in as stated in	§ 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a)	§ 60.487(a) [G]§ 60.487(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	§60.482-6 for open-ended valves and lines.	[G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	[G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
578	EU	60DDD-12	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
580	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
580	CD	AIR ASST	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None



Braskem America, Inc.

Seadrift Plant
P.O. Box 105
Port Lavaca, TX 77979
361-487-1101

April 18, 2025

Submitted via STEERS

Texas Commission on Environmental Quality
Mr. Liam Lin
Permit Reviewer
OA/Air Permits Division/OP Section
MC-163, P.O. Box 13087
Austin, TX 78711-3087

RE: Technical Review & Working Draft Permit
FOP: O2025
Project No.: 36178
Braskem America Inc
Seadrift PP Facility
Renewal
Account Number: CB-A004-D
RN106319379/CN603921271
Calhoun County, Seadrift, Texas

Dear Mr. Lin,

Braskem America, Inc. – Seadrift PP Facility (Braskem) is submitting updates to the above referenced permit renewal application that was submitted on January 9, 2024, as requested in your March 10, 2025, email. Furthermore, Braskem is submitting comments to the Working Draft Permit (WDP) that was provided in your March 10, 2025, email. Based on the instructions in the email, Braskem understands that application updates that are submitted by the Responsible Official through STEERS are considered certified and do not require the submittal of an original signature OP-CRO1. Therefore, Form OP-CRO1 is not required for this application update.

Each question in the Technical Review Request is restated below, followed by Braskem's response in italic font. Please note that the TCEQ granted Braskem an extension to submit these responses until Noon on Wednesday, April 23, 2025.

- 1.) Form OP-REQ1 Page 84- For question XI.M.I you answered the question as "N/A" however, the answer "N/A" is reserved for GOP applications, please update the answer to "NO".
*Braskem believes the original answer is correct based on the OP-REQ1 Instructions on Page 121 of 129 which states: **For SOP applications and GOP applications for GOPs 511, 512, 513 and 514, indicate "N/A."** However, Braskem is providing a revised Page 84 of OP-REQ1 for question XI.M.1 per your instructions.*

- 2.) Form OP-REQ2 – Unfortunately, we are going to deny the permit shield that was requested for Unit ID. No. DENG-111, Chapter 115. Since the source is not located in the listed counties, a permit shield is not necessary. Please submit an updated Form OP-REQ2 with a strikethrough over this Unit.

Thank you for the clarification. Braskem is submitting an updated Form OP-REQ2 with a strikethrough in bold italics over this Unit.

- 3.) Form OP-PBRSUP – All Units that are listed in tables A and B are required to be listed in Table D. Please submit an updated form OP-PBRSUP.

Braskem is submitting an updated Form OP-PBRSUP with changes in bold, italics. Please note, sources authorized under PBRs 106.122 and 106.372 are not required to be listed in Tables A, B, and D; however, these sources are now listed in Table C.

- 4.) Form OP-UA28 – Unit IDs. PRORMPREP, PROREACTN and PROSTORE are missing SOP Index No. Please submit an updated form OP-UA28.

Braskem is submitting an updated OP-UA28 that includes an SOP Index No. for Unit IDs. PRORMPREP, PROREACTN and PROSTORE. These changes are in bold italics.

- 5.) Process Description – Please submit an updated process description.

Braskem is submitting the process description as requested. Please note, no changes have occurred since the last permit renewal.

- 6.) Form OP-1 – Please review form OP-1 Section XI. Public Notice Contact Person to verify the information is current and accurate.

Braskem is submitting an updated Form OP-1, Section VII. Technical Contact Identifying Information and Section XI. Public Notice Contact Person with changes in bold, italics.

- 7.) Working Draft Permit (WDP) Review.

Braskem provides comments and edits, in Track Changes mode, on the attached WDP document.

Please do not hesitate to contact me at (610) 304-7307 or gary.rabik@braskem.com if you have any questions or require further information regarding this submittal.

Sincerely,

Gary Rabik
Environmental Engineer
Braskem America Inc. – Seadrift Facility

XC: Permit Reviewer

TCEQ, OA/Air Permits Division/OP Section
MC-163, P.O. Box 13087
Austin, TX 78711-3087
Sent via email: Liam.Lin@tceq.texas.gov

Air Section Manager

TCEQ, OCE/FO Region XIV,
500 North Shoreline Blvd., Suite 500
Corpus Christi, TX 78401-0318
-----**CERTIFIED MAIL**-----
9589 0710 5270 0217 4196 54

EPA Region 6

US EPA, Region VI
1201 Elm Street, Suite 500
Dallas, TX 75270
Sent via email: R6AirPermitsTX@epa.gov

Environmental File

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

Date:	April 2025
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 84		
XI. Miscellaneous (continued)		
L. Compliance Assurance Monitoring (continued)		
◆	9. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ YES ☒ 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.	☒ YES ☐ 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.	☐ YES ☒ NO
◆	12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ YES ☒ 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>	☐ YES ☒ NO ☐ 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.	☐ YES ☐ NO
XII. New Source Review (NSR) Authorizations		
A. Waste Permits with Air Addendum		
◆	1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>	☐ YES ☒ NO

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

Date	Permit No.	Regulated Entity No.
April 2025	02025	RN106319379

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
		578	OP-UA12	NSPS VV	§60.489	Manufacturing unit does not produce listed SOCMI chemical.
		PRORMPREP	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
		PROREACTN	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
		PROSTORE	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
<i>4</i>	<i>3</i>	<i>DEG-111</i>	<i>OP-REQ2</i>	<i>Chapter 115</i>	<i>§115.410(a)</i>	<i>Source is not located in listed counties.</i>

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
April 2025	O2025	RN106319379

Unit ID No.	Registration No.	PBR No.	Registration Date
1037	105012	106.261, 106.262	11/05/12
344	110176	106.261, 106.262	02/03/14
567	110176	106.261, 106.262	02/03/14
573	110176	106.261, 106.262	02/03/14
574	110176	106.261, 106.262	02/03/14
574-ST	110176	106.261, 106.262	02/03/14
575	110176	106.261, 106.262	02/03/14
576	110176	106.261, 106.262	02/03/14
577	110176	106.261, 106.262	02/03/14
777	110176	106.261, 106.262	02/03/14
1011	110176	106.261, 106.262	02/03/14
1012	110176	106.261, 106.262	02/03/14
1018	110176	106.261, 106.262	02/03/14

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
April 2025	O2025	RN106319379

Unit ID No.	Registration No.	PBR No.	Registration Date
1019	110176	106.261, 106.262	02/03/14
1020	110176	106.261, 106.262	02/03/14
1033	110176	106.261, 106.262	02/03/14
1034	110176	106.261, 106.262	02/03/14
1037	110176	106.261, 106.262	02/03/14

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
April 2025	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date
580	106.263	11/01/2001
WELD-111	106.227	09/04/2000
VAC-RAIL	106.393	09/04/2000
SAND-111	106.452	09/04/2000
DEG-111	106.454	11/01/2001

Permit By Rule Supplemental Table (Page 2)
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
April 2025	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date
LAB-101	106.122	09/04/2000
CG-111	106.372	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
April 2025	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
1037	106.261/106.262	105012	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
344	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
567	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
573	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
574	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
574-ST	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
575	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
576	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
577	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>

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
April 2025	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
777	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1011	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1012	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1018	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1019	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1020	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1033	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1034	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>
1037	106.261/106.262	110176	<i>Maintain documentation to support authorized emission increases and maintain adequate records to indicate process still meets requirements of PBR.</i>

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
April 2025	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
<i>580</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Track emissions on a rolling 12-month basis.</i>
<i>WELD-111</i>	<i>106.227</i>	<i>09/04/2000</i>	<i>Maintain records of brazing, soldering, or welding material usage.</i>
<i>VAC-RAIL</i>	<i>106.393</i>	<i>09/04/2000</i>	<i>Maintain records demonstrating no visible emissions occurred.</i>
<i>SAND-111</i>	<i>106.452</i>	<i>09/04/2000</i>	<i>Maintain records of operating hours and abrasive material usage.</i>
<i>DEG-111</i>	<i>106.454</i>	<i>11/01/2001</i>	<i>Maintain monthly records of total solvent makeup (gross usage minus waste disposal).</i>

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
April 2025	O2025	RN106319379

Process ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/Modification Date	Experimental Process Line	Modified After Applicability Date	Table 2 Threshold Emission Rates
PRORMPREP	60DDD-01	PROPYL	YES	87-			
PROREACTN	60DDD-01	PROPYL	YES	87-			
PROSTORE	60DDD-01	PROPYL	YES	87-			
PROFINISH	FLR-CNT	PROPYL	YES	89+	NO		
PROFINISH	EX-MG/Y	PROPYL	YES	89+	NO		
PROFINISH	EX-CONC	PROPYL	YES	89+	NO		
PRORECVRY	FLR-INT	PROPYL	YES	89+	NO		
PRORECVRY	FLR-CNT	PROPYL	YES	89+	NO		

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60**

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
April 2025	O2025	RN106319379

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PROFINISH	FLR-CNT	1-	CONT	1.6+	0.1+
PROFINISH	EX-MG/Y	1-	CONT	1.6-	0.1+
PROFINISH	EX-CONC	1-	CONT	1.6+	0.1-
PRORECVRY	FLR-INT	1-	INTER		
PRORECVRY	FLR-CNT	1-	CONT	1.6+	0.1+

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 5)**

Federal Operating Permit Program

Table 1e: Title 40 Code of Federal Regulations Part 60

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
April 2025	O2025	RN106319379

Process ID No.	SOP Index No.	Control of Continuous Emissions	Continuous Control Device	Control Device ID No.	Annual Emissions Entering the Control Device	Table 3 Control Requirements	Emission Reduction From Control Device
PROFINISH	FLR-CNT	ALL	FLARE	580	CTE+		
PRORECVRY	FLR-CNT	ALL	FLARE	580	CTE+		

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60**

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
April 2025	O2025	RN106319379

Process ID No.	SOP Index No.	Emergency Vent	Existing Control Device	Intermittent Control Device	Control Device ID No.
PRORECVRY	FLR-INT	NO	YES		

6.0 PROCESS DESCRIPTION AND PROCESS FLOW DIAGRAM

The Seadrift PP Facility produces polypropylene resin. Key materials which are used or produced within the PP Facility include the following:

- Raw Materials: nitrogen, propylene, reaction & pelleting additives, ethylene, hydrogen, butane
- Intermediate Products: none
- Byproducts & Co-products: none
- Products: polypropylene resin
- Fuels: natural gas
- Airborne Wastes: PM₁₀, VOC, CO, NO_x, SO₂, hexane (a HAP)

Fugitive emissions from the PP Facility (EUN: 578) include VOC and hexane. The Material Recovery and Product Finishing Sections within the unit are subject to the requirements of 40 CFR Part 60, New Source Performance Standards, Subpart DDD – Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry (NSPS DDD). Fugitive sources within these sections are also subject to the requirements of NSPS DDD requirements. It should be noted that since NSPS Subpart VV – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry (NSPS VV) is not directly applicable to the facility, compliance with certain portions of NSPS VV is indirectly required for fugitive sources subject to NSPS DDD.

RAW MATERIAL PREPARATION OPERATIONS

A simplified flow diagram of raw material preparation operations is included as Figure 6-1. The boundaries of the Raw Material Preparation Process (EUN: PRORMPREP) indicate which sources are included in the definition of a raw material preparation section per NSPS DDD. NSPS DDD does not apply to raw material storage operations.

Nitrogen is supplied to the facility via pipeline, and it is purified by the Nitrogen Purification System. The Nitrogen Purification System is the source of an intermittent waste gas stream potentially containing small quantities of VOC. This waste gas stream is routed to the Polypropylene Flare (addressed in Polymerization Reaction Operations).

Propylene is also supplied to the facility via pipeline. The propylene is degassed to remove organic impurities, and the degassing system produces a waste gas stream which is

routed to the Polypropylene Flare. After degassing, any moisture is removed from the propylene in the Propylene Dryers. These dryers are regenerated intermittently which generates a waste gas stream. The dryer regeneration gas stream is also routed to the Polypropylene Flare.

Catalyst slurry is unloaded from containers into the Catalyst Slurry Tank. This tank vents to the atmosphere and emissions include VOC. Reaction additive solutions are unloaded from containers into the Additive Feed Pots and the Dilute Additive Feed Pots. These feed pots vent to the atmosphere and emissions include VOC. A co-catalyst is supplied from cylinders and fed to the process via a supply system which prevents any co-catalyst vapors from being emitted.

None of the sources discussed as part of the Raw Materials Preparation operations have Title V-applicable requirements. The Raw Materials Preparation Process is exempt from NSPS DDD due to the date of construction.

POLYMERIZATION REACTION OPERATIONS

A simplified flow diagram of the polymerization reaction operations is included as Figure 6-2. The boundaries of the Polymerization Reaction Process (EUN: PROREACTN) indicate which sources are included in the definition of a polymerization reaction section per NSPS DDD.

The Polypropylene Unit includes two reaction systems: Reaction Systems No. 1 and No. 2. Each reaction system includes a reactor, a compressor, heat exchange equipment, and a product discharge system.

Reaction feed materials are fed directly to both reaction systems. Nitrogen, propylene, catalyst, reaction additives, and co-catalyst are transferred to one or both reaction systems from the Raw Material Preparation Process. Other reaction system feed materials include ethylene via pipeline, hydrogen from cylinders, and recovered materials from the Materials Recovery Process (addressed in Material Recovery Operations).

Each reaction system converts the raw materials to polypropylene resin. During certain operations, unreacted raw materials from Reaction System No. 1 may be transferred to Reaction System No. 2 as part of the feed stream for the second reaction system. The polymer resin from both reaction systems is transferred to the Product Finishing Process (addressed in Product Finishing Operations) along with certain gaseous streams from the reaction systems.

Vents streams from the sources described in this section are summarized as follows:

- One Emergency Blow-Down Vent from each reaction system would only be used in upset/emergency events and would emit VOC and PM₁₀ to the atmosphere;
- The Start-Up Bed Vent from Reaction System No. 1 emits PM₁₀ to the atmosphere during certain start-up procedures;
- The Start-Up Nitrogen Purge Vent from Reaction System No. 1 is routed through the Product Receiver/Filter (addressed in Product Finishing Operations) to the atmosphere and emits PM₁₀ during certain start-up procedures;
- Gaseous streams from both reaction systems are routed to the Materials Recovery Process where materials are recovered for reuse; and
- Waste gas vents from both reaction systems are routed to the Polypropylene Flare (EUN: 580) which controls the VOC in these streams.

The Polypropylene Flare receives a combined vent stream containing waste gases from the Polymerization Reaction Process and other sources within the Polypropylene Unit. This flare is normally operated as a non-assisted flare (SOP Index No. NO ASST), but it is operated as an air assisted flare (SOP Index No. AIR ASST) during certain operations. An emission unit was established for the Flare Header (EUN: 580 VENT) to address 30 TAC 115 requirements for the combined vent stream input to the flare. The vent streams which contribute to the Flare Header include VOC, PM₁₀, and hexane.

The following Title V-applicable requirements apply to the emission units discussed above:

- Emergency vents: no Title V-applicable requirements;
- Start-up vents: 30 TAC 111 (site-wide requirements only);
- Propylene Flare: NSPS A, 30 TAC 111;
- Flare Header: 30 TAC 115 (for process vents); and
- Polymerization Reaction Process: exempt from NSPS DDD due to construction date.

PRODUCT FINISHING OPERATIONS

A simplified flow diagram of the product finishing operations is included as Figure 6-3. The boundaries of the Product Finishing Process (EUN: PROFINISH) indicate which sources are included in the definition of a product finishing section per NSPS DDD.

Gases and polypropylene resin from the Polymerization Reaction Process are transferred to the Product Receiver/Filter where the resin is trapped by a filter. The gases pass through the resin filter and are routed to the Materials Recovery Process. Note that the Start-Up Nitrogen Purge Vent from Reaction System No. 1 is routed through the Product Receiver/Filter to the atmosphere. This start-up vent contains only nitrogen, water, and PM₁₀, and it is not subject to any source-specific Title V-applicable requirements.

Resin from the Product Receiver is fed to the Product Purging equipment (EUNs: 573 & PP1PPBVENT³). During purging, nitrogen gas and steam are passed through the polymer bed to purge any non-polymer materials associated with the polymer. Product Purging results in two vent gas streams containing VOC. The larger of the two vent gas streams is routed to the Polypropylene Flare. The other vent gas stream is only generated as a result of specific operating scenarios, but it is generated continuously during those operations. This other vent stream contains PM₁₀ and trace levels of VOC, and it is routed through a filter prior to venting to the atmosphere.

Some of the purged polypropylene resin from the Product Purging is routed to the Mastermix Blenders for mixing and chemical addition. Solid additives are unloaded from containers into the Solid Additive Dump Station which vents PM₁₀ to the atmosphere via a filter. The additive is then transferred to the two Receiver/Filters which emit PM₁₀ to the atmosphere via filters. The Receiver/Filters feed the solid additives into the Mastermix Blenders where the additives are distributed onto the polymer resin. Emissions from the Mastermix Blenders are routed through the Receiver/Filters.

The Mixer Feed Hopper/Filter (EUN: 1011) receives polymer resin from the Mastermix Blenders and also directly from the Product Purge Bin. The vent stream from the Mixer Feed Hopper is filtered prior to venting to the atmosphere, and this vent includes PM₁₀, VOC, and hexane. The Mixer Feed Hopper also distributes liquid additives into the polypropylene resin. The liquid additives are fed to the Mixer Feed Hopper from the Liquid Additive Tank. The

³ Product Purge Bin Vent (PP1PPBVENT) is routed to the polypropylene flare and is addressed as PROFINISH, SOP Index No. FLR-CNT.

Liquid Additive Tank receives liquid additives from containers. Vapors from this tank, which include VOC, are vented to the atmosphere.

Polymer resin from the Mixer Feed Hopper is fed to the Extruder/Pelletizer System (EUN: PP1EXT) where the resin is melted, mixed, and extruded into pellets. A waste gas stream which includes VOC is routed from the Extruder/Pelletizer to the Polypropylene Flare. The pellets exit the pelletizer via a water/pellet mixture and are separated from the water and then air-dried in the Pellet Dryer (EUN: 574). The water is then returned to the Extruder/Pelletizer. The air stream used for drying the pellets is vented to the atmosphere, and it contains PM₁₀ and VOC. The dried polymer pellets are transferred to the Product Storage Process (addressed in Product Storage Operations).

The following Title V-applicable requirements apply to the emission units discussed above:

- Start-Up Vent from Product Receiver/Filter and Solid Additive Dump Station: 30 TAC 111 (site-wide requirements only);
- Product Purging vent to flare and Extruder/Pelletizer: NSPS DDD;
- Mixer Feed Hopper/Filter; Pellet Dryer, and Product Purging vent to atmosphere: NSPS DDD, 30 TAC 111 (site-wide requirements only), 30 TAC 115 (for process vents);
- Liquid Additive Tank: no Title V-applicable requirements; and
- Product Finishing Process: NSPS DDD

PRODUCT STORAGE OPERATIONS

A simplified flow diagram of the product storage operations is included as Figure 6-4. The boundaries of the Product Storage Process (EUN: PROSTORE) indicate which sources are included in the definition of a product storage section per NSPS DDD.

Polypropylene pellets from the Product Finishing Process are transferred to a series of Pellet Storage/Blending Silos which share a common vent (EUN: 344). The combined vent stream from these silos contains PM₁₀, VOC, and hexane; and this vent stream is filtered before being discharged to the atmosphere.

After storage and blending in the Storage/Blending Silos, the polypropylene pellets are transferred and loaded into rail cars by a series of pellet transfer and loading systems. Emissions

from pellet transfer and loading include PM₁₀. Rail cars carry the pellets off-site for distribution as product.

The following Title V-applicable requirements apply to the emission units discussed above:

- Pellet Storage/Blending Silos: 30 TAC 111 (site-wide requirements only), 30 TAC 115 (for process vents);
- Pellet transfer and rail car loading: 30 TAC 111 (site-wide requirements only); and
- Product Storage Process: exempt from NSPS DDD due to construction date.

MATERIAL RECOVERY OPERATIONS

A simplified diagram of the material recovery operations is included as Figure 6-5. The boundaries of the Material Recovery Process (EUN: PRORECVRY) indicate which sources are included in the definition of a material recovery section per NSPS DDD.

Gaseous streams from the Polymerization Reaction Process are routed to some initial vent recovery stages which include coolers, compressors and condensers. Gases and liquids from these initial recovery stages are routed to the Refrigeration Interchanger (EUN: E-5231) and the Recovery Column Condenser (EUN: PP1PROPANE). These two units provide additional separation steps to separate the materials which can be reused from those which cannot be reused. Various liquid and gas streams are recycled and reprocessed within the Material Recovery Process. The recovered materials from this process are returned to the Reaction Process and the Product Receiver/Filter. Waste gas streams from the Refrigeration Interchanger and the Recovery Column Condenser are routed to the Polypropylene Flare.

The following Title V-applicable requirements apply to the emission units discussed above:

- Interchanger and condenser vents: NSPS DDD;
- Material Recovery Process: NSPS DDD.

**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: Braskem America, Inc.
B. Customer Reference Number (CN): CN603921271
C. Submittal Date (mm/dd/yyyy): 01/08/2024
II. Site Information
A. Site Name: Seadrift PP Facility
B. Regulated Entity Reference Number (RN): RN106319379
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ 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>
☒ VOC ☒ NO _x ☐ SO ₂ ☒ PM ₁₀ ☐ CO ☐ Pb ☐ HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO
F. Is the site within a local program area jurisdiction? ☐ YES ☒ NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ 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>
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ 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? ☐ Abbreviated ☐ Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? ☐ YES ☐ NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? ☐ YES ☐ NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) ☐ YES ☐ NO
E. Has the required Public Involvement Plan been included with this application? ☐ YES ☐ NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? ☐ YES ☒ NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
RO Full Name: Galileu Moraes Henrique
RO Title: Seadrift Facility Manager
Employer Name: Braskem America, Inc.
Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (361) 487-1129
Fax No.:
Email: galileu.henrique@braskem.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: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Technical Contact Full Name: Gary Rabik
Technical Contact Title: Environmental Engineer
Employer Name: Braskem America, Inc.
Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (610) 304-7307
Fax No.: (979) 705-2160
Email: gary.rabik@braskem.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Senator Lois W. Kolkhorst
B. State Representative: Representative J. M. Lozano
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? ☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? ☒ YES ☐ NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

**Federal Operating Permit Program
Site Information Summary
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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: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Seadrift PP Facility
B. Physical Address: 7501 State Highway 185
City: Seadrift
State: TX
ZIP Code: 77983
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (<i>continued</i>)
G. Latitude (nearest second): 028:30:28
H. Longitude (nearest second): 096:46:22
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO
J. Indicate the estimated number of emission units in the application area: 17
K. Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ 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: Calhoun County Public Library
B. Physical Address: 200 West Mahan St.
City: Port Lavaca
ZIP Code: 77979
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):
Contact Person Full Name: Gary Rabik
Contact Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (610) 304-7307

Steven Piper

From: eNotice TCEQ
Sent: Wednesday, January 10, 2024 12:05 PM
To: Lois.Kolkhorst@senate.texas.gov; JM.lozano@house.texas.gov
Subject: TCEQ Notice - Permit Number O2025
Attachments: TCEQ Notice - O2025_36178.pdf

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

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

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

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

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 10, 2024

THE HONORABLE LOIS KOLKHORST
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36178
Permit Number: O2025
Braskem America, Inc.
Seadrift Pp Facility
Seadrift, Calhoun County
Regulated Entity Number: RN106319379
Customer Reference Number: CN603921271

Dear Senator Kolthorst:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.772777,28.507777&level=13>.

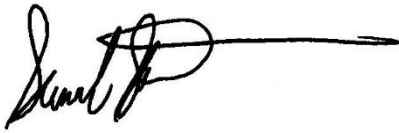
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment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

The Honorable Lois Kolkhorst
Page 2
January 10, 2024

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,

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

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

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 10, 2024

THE HONORABLE JOSE M LOZANO
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36178
Permit Number: O2025
Braskem America, Inc.
Seadrift Pp Facility
Seadrift, Calhoun County
Regulated Entity Number: RN106319379
Customer Reference Number: CN603921271

Dear Representative Lozano:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.772777,28.507777&level=13>.

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

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

Sincerely,

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

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

Texas Commission on Environmental Quality

Title V Existing

2025

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	SEADRIFT PP FACILITY
County	CALHOUN
Latitude (N) (##.#####)	28.507777
Longitude (W) (-###.#####)	96.772777
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	32519
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN106319379
What is the name of the Regulated Entity (RE)?	BRASKEM SEADRIFT POLYPROPYLENE PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 STATE HIGHWAY 185 N BLDG 101 SEADRIFT TX 77983
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.5077
Longitude (W) (-###.#####)	-96.7727
Facility NAICS Code	
What is the primary business of this entity?	POLYPROPYLENE PLASTIC MANUFACTURING

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN603921271
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Braskem America, Inc.
Texas SOS Filing Number	7072706
Federal Tax ID	
State Franchise Tax ID	12515344989
State Sales Tax ID	
Local Tax ID	
DUNS Number	161669049
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	BRASKEM AMERICA INC
Prefix	MR
First	GALILEU
Middle	
Last	MORAES HENRIQUE
Suffix	
Credentials	
Title	SEADRIFT FACILITY 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 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3614871129
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	galileu.henrique@braskem.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	TONY BUNDICK(BRASKEM AMERICA...)
Organization Name	BRASKEM AMERICA INC
Prefix	MR
First	TONY
Middle	
Last	BUNDICK
Suffix	
Credentials	
Title	ENVIRONMENTAL HEALTH & SAFETY LEADER
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 105
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
Zip	77979

Phone (###-###-####)	7132089795
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	tony.bundick@braskem

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

New Contact

Organization Name

Braskem America Inc

Prefix

MR

First

Tony

Middle

Last

Bundick

Suffix

Credentials

CHMM | CSP

Title

Environmental, Health, & Safety Leader

Enter new address or copy one from list:

Duly Authorized Representative Contact Address

Mailing Address

Address Type

Domestic

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

PO BOX 105

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

City

PORT LAVACA

State

TX

ZIP

77979

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

7132089795

Extension

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

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

E-mail

tony.bundick@braskem.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

28 Deg 30 Min 28 Sec

3) Permit Longitude Coordinate:

96 Deg 46 Min 22 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) 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?

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name

OP_1_Form OP-1.docx

Hash

0C36C97DD1562A139E765C7B4055BF6A6865450667BDDD6BEDA777A8A50B05B8

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

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

[File Properties]

File Name

OP_2_Form OP-2.docx

Hash

B5981E8F1771E5CD3F562EF74760AE8FB329B551C42C1338735D540F8805309D

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name

OP_ACPS_Form OP-ACPS.docx

Hash

8D542DC7311D87D5D8B67CD79EB668729693C556617AFC35E2431E288A293E2A

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

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

[File Properties]

File Name

OP_REQ1_Form OP-REQ1.docx

Hash

57355BBDA1855442ACF18BEA2667C6F9354B7E8682D6B1C060F3C130222FD3F5

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name

OP_REQ2_Form OP-REQ2.docx

Hash

DD90E6AABEC937D1DA016386927C55C039962BC546CC3CD3BD8519F394D3966E

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name

OP_REQ3_Form OP-REQ3.docx

Hash

EF875220CBD144BD09D4EF6450EACD3D8E7275387A33E8991200E9C66AE1621E

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name OP_PBRSUP_Form OP-PBRSUP.docx

Hash 4962B25E7428C804FE7D4D438686D3AFC9839F26F1334B29F47078F9D7FA54BD

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name OP_SUMR_Form OP-SUMR.docx

Hash 0B84347CADBF62464E4FFD79684E8EAC2CDA00524A514CFAFA64C11BE8700DC2

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name Form OP-UA12.docx

Hash DB1381C485668F5BE8D963618067D1D967F6AB622A5013F157F7351C35035620

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name Form OP-UA15.docx

Hash 69341E1FE9A19B63C06F68D8633CCD3E437BD41589011096530B03C49302EB12

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name Form OP-UA28.docx

Hash 53B1480CC1D250B70272890C4AC474372A082849F1E327879145DC15B00DB6EB

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name Form OP-UA7.docx

Hash F1D0E9A8CCFDD5F86D8B581E11955CBAC0591D57889C424AA519DD9C37426098

MIME-Type application/vnd.openxmlformats-officedocument.wordprocessingml.document

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	Cover Letter in Intro.pdf
Hash	2136CC9A0F2A96FF2B9D566AF25835B7D32E35812BF27454842ADCEA29A9533E
MIME-Type	application/pdf

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

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No
---	----

Certification

I certify that I am the 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 Anthony W Bundick, the owner of the STEERS account ER062872.
- 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 2025.
- 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: Anthony W Bundick OWNER OPERATOR

Account Number:	ER062872
Signature IP Address:	155.190.8.7
Signature Date:	2024-01-09
Signature Hash:	9A161DCC361AF627D58CC0FB52A6CA77CBD97A298E053C33267A6A6A293F79D5
Form Hash Code at time of Signature:	DFDB2FA1B032C9A78F495E22262A999F25E8B41D9F16CDE99825BFD63824F47A

Submission

Reference Number:	The application reference number is 614139
Submitted by:	The application was submitted by ER062872/Anthony W Bundick
Submitted Timestamp:	The application was submitted on 2024-01-09 at 08:01:42 CST

Submitted From:

The application was submitted from IP address 155.190.8.7

Confirmation Number:

The confirmation number is 507889

Steers Version:

The STEERS version is 6.71

Permit Number:

The permit number is 2025

Additional Information

Application Creator: This account was created by Anthony W Bundick



January 8, 2024

Texas Commission on Environmental Quality
Air Permits Initial Review Team (APIRT), MC-161
12100 Park 35 Circle, Building C, Third Floor
Austin, Texas 78753
Transmitted via State of Texas Environmental Electronic Reporting System (STEERS)

Re: SOP Renewal
Permit No. O2025
Braskem America, Inc.
Seadrift PP Facility
Seadrift, Calhoun County
Regulated Entity Number: RN106319379
Customer Reference Number: CN603921271
Account Number: CB-A004-D

Dear APIRT:

Braskem America, Inc. (Braskem) respectfully submits the attached Title V Renewal Application for the Seadrift PP Facility. Braskem operates under Federal Operating Permit (FOP) No. O2025, which expires on July 17, 2024. Therefore, the associated renewal application is being submitted at least six months prior to the expiration date in accordance with 30 TAC §122.133(2).

If you should require additional information, or if you have any questions regarding this submittal, please contact Mr. Tony Bundick at (713) 208-9795.

Sincerely,

A handwritten signature in blue ink that reads "Tony Bundick". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Tony Bundick
Environmental, Health, & Safety Leader

cc: Mr. Kelly Ruble, Air Section Manager, Region 14, TCEQ – Corpus Christi
Via Certified Mail, Return Receipt Requested No. **7015 3010 0002 2567 7819**
EPA, Region 6 Air Permits Section (6MM-AP), R6AirPermitsTX@epa.gov
Environmental Files

**TITLE V PERMIT
RENEWAL APPLICATION FOR
PERMIT No. O2025**

BRASKEM AMERICA, INC.

PREPARED FOR:

Braskem America, Inc.
Seadrift PP Facility
7501 State Highway 185
Seadrift, Texas 77983
Account No. CB-A004-D

PREPARED BY:

AECOM
Texas Registered Engineering Firm No. F-3580
13640 Briarwick Drive
Austin, Texas 78729

JANUARY 2024

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1.0 INTRODUCTION

2.0 IDENTIFYING AND ADMINISTRATIVE INFORMATION

OP-1
OP-2
OP-SUMR
OP-PBRSUP

3.0 RESPONSIBLE OFFICIAL CERTIFICATION

OP-CRO1

4.0 UNIT ATTRIBUTE INFORMATION

OP-UA7
OP-UA12
OP-UA15
OP-UA28

5.0 APPLICABLE REQUIREMENTS INFORMATION

OP-REQ1
OP-REQ2
OP-REQ3

6.0 COMPLIANCE AND CERTIFICATION

OP-ACPS

SECTION 1.0

INTRODUCTION

1.0 INTRODUCTION

Braskem America, Inc. (Braskem) owns and operates a polypropylene facility (PP Facility) in Seadrift, Calhoun County, Texas. The Seadrift PP Facility produces pelleted polypropylene resin. This resin is used by other companies as a raw material for manufacturing package wrap, automobile parts, home appliance components, food containers, bottles, and many other common household items. The Customer Reference Number (CN) for Braskem is CN603921271 and the Regulated Entity Reference Number (RN) for the facility is RN106319379.

Title V of the 1990 Federal Clean Air Act (CAA) Amendments mandated a permitting program requiring all major sources to obtain an operating permit in order to clearly define all applicable federal air quality requirements. The federal regulations implementing Title V of the 1990 CAA Amendments are codified in 40 CFR Part 70. The Part 70 regulations set out the requirements that state agencies must follow to implement the Title V operating permit program. Each state was required to develop a plan and to submit the plan to the U.S. EPA for approval. The Texas Commission on Environmental Quality (TCEQ) developed such a program and received full program approval on November 30, 2001. The Texas regulations, developed by the TCEQ, are contained in Title 30 Texas Administrative Code (TAC) Chapter 122.

Braskem is required by 30 TAC Chapter 122 to submit an application for renewal of the Site Operating Permit (SOP) issued for the Seadrift PP Facility no later than 6 months before the SOP expiration date (per 30 TAC §122.133(2)). The last renewal for SOP Permit No. O2025 was issued on July 17, 2019; therefore, an administratively complete renewal application is due to the TCEQ no later than January 17, 2024. This document constitutes an application to the TCEQ for a Title V renewal application for Permit No. O2025 and contains all required forms, supporting information, and certification by a signed Form OP-CRO1.

The Seadrift PP Facility is located approximately 7 miles north of Seadrift on Highway 185 near Port Lavaca in Calhoun County, Texas. Calhoun County is classified as attainment or unclassified with the National Ambient Air Quality Standards (NAAQS) for all pollutants. As such, this permit renewal application was prepared under the current attainment designation.

The TCEQ Site Operating Permit Renewal Application Guidance advises renewal applicants to complete the most current version of the Form OP-REQ1 and unit attribute forms

that are new or have undergone changes since the last submittal. Current versions of the Form OP-REQ1 and all necessary unit attribute forms are included with this submittal.

OP-REQ3 has been completed to document the detailed citations associated with each unit at the Seadrift PP Facility. Tables 1a and 1b of the Form OP-REQ3 in Section 5.0 show the applicable requirements for all units.

Finally, this renewal application does not propose any changes to the existing compliance assurance monitoring (CAM) and periodic monitoring (PM) at the Seadrift PP Facility.

**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: Braskem America, Inc.
B. Customer Reference Number (CN): CN603921271
C. Submittal Date (mm/dd/yyyy): 01/08/2024
II. Site Information
A. Site Name: Seadrift PP Facility
B. Regulated Entity Reference Number (RN): RN106319379
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ 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>
☒ VOC ☒ NO _x ☐ SO ₂ ☒ PM ₁₀ ☐ CO ☐ Pb ☐ HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO
F. Is the site within a local program area jurisdiction? ☐ YES ☒ NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ 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>
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ 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? ☐ Abbreviated ☐ Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? ☐ YES ☐ NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? ☐ YES ☐ NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) ☐ YES ☐ NO
E. Has the required Public Involvement Plan been included with this application? ☐ YES ☐ NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? ☐ YES ☒ NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
RO Full Name: Galileu Moraes Henrique
RO Title: Seadrift Facility Manager
Employer Name: Braskem America, Inc.
Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (361) 487-1129
Fax No.:
Email: galileu.henrique@braskem.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: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Technical Contact Full Name: Tony Bundick
Technical Contact Title: Environmental, Health, & Safety Leader
Employer Name: Braskem America, Inc.
Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 208-9795
Fax No.: (979) 705-2160
Email: tony.bundick@braskem.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Senator Lois W. Kolkhorst
B. State Representative: Representative J. M. Lozano
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? ☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? ☒ YES ☐ NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

**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: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Seadrift PP Facility
B. Physical Address: 7501 State Highway 185
City: Seadrift
State: TX
ZIP Code: 77983
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (continued)
G. Latitude (nearest second): 028:30:28
H. Longitude (nearest second): 096:46:22
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO
J. Indicate the estimated number of emission units in the application area: 17
K. Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ 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: Calhoun County Public Library
B. Physical Address: 200 West Mahan St.
City: Port Lavaca
ZIP Code: 77979
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):
Contact Person Full Name: Tony Bundick
Contact Mailing Address: P.O. Box 105
City: Port Lavaca
State: TX
ZIP Code: 77979
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (713) 208-9795

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

Date: 01/08/2024	
Permit No.: O2025	
Regulated Entity No.: RN106319379	
Company Name: Braskem America, Inc.	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? ☒ YES ☐ NO	
I. Application Type	
Indicate the type of application:	
☒ Renewal	
☐ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
☐ Significant Revision	
☐ Revision Requesting Prior Approval	
☐ Administrative Revision	
☐ Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only	☒ YES ☐ NO
For GOP Revisions Only	☐ YES ☐ 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: 01/08/2024
Permit No.: O2025
Regulated Entity No.: RN106319379
Company Name: Braskem America, Inc.

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	ADMIN-E	NO	N/A	N/A	N/A	Braskem America Inc. (Braskem) requests updates to forms whose versions have been updated since the last renewal. Additions have been bolded and italicized and deletions have been marked with a red strikethrough.
2	ADMIN-E	NO	N/A	OP-SUMR OP-PBRSUP	N/A	Braskem respectfully requests the addition of the sources listed in Form OP-SUMR. Please also add Form OP-PBRSUP.
3	SIG-E	YES	DEG-111	OP-REQ2	N/A	Please add source to permit shield.

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

Date: 01/08/2024	
Permit No.: O2025	
Regulated Entity No.: RN106319379	
Company Name: Braskem America, Inc.	
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?	☒ YES ☐ NO
B. Indicate the alternate language(s) in which public notice is required: Spanish	
C. Will, there be a change in air pollutant emissions as a result of the significant revision?	☒ YES ☐ NO

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
01/08/2024	O2025	RN106319379

Unit ID No.	Registration No.	PBR No.	Registration Date
1037	105012	106.261, 106.262	11/05/12
344	110176	106.261, 106.262	02/03/14
567	110176	106.261, 106.262	02/03/14
573	110176	106.261, 106.262	02/03/14
574	110176	106.261, 106.262	02/03/14
574-ST	110176	106.261, 106.262	02/03/14
575	110176	106.261, 106.262	02/03/14
576	110176	106.261, 106.262	02/03/14
577	110176	106.261, 106.262	02/03/14
777	110176	106.261, 106.262	02/03/14
1011	110176	106.261, 106.262	02/03/14
1012	110176	106.261, 106.262	02/03/14
1018	110176	106.261, 106.262	02/03/14

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
01/08/2024	O2025	RN106319379

Unit ID No.	Registration No.	PBR No.	Registration Date
1019	110176	106.261, 106.262	02/03/14
1020	110176	106.261, 106.262	02/03/14
1033	110176	106.261, 106.262	02/03/14
1034	110176	106.261, 106.262	02/03/14
1037	110176	106.261, 106.262	02/03/14

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
01/08/2024	O2025	RN106319379

Unit ID No.	PBR No.	Version No./Date
580	106.263	11/01/2001
LAB-101	106.122	09/04/2000
WELD-111	106.227	09/04/2000
CG-111	106.372	09/04/2000
VAC-RAIL	106.393	09/04/2000
SAND-111	106.452	09/04/2000
DEG-111	106.454	11/01/2001

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

[Table 1](#)

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

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
A	2	1037	OP- PBRSUP	Catalyst Slurry Feed Tank		106.261, 106.262/11/01/2003[105012]	
A	2	344	OP- PBRSUP	Bin Vent Dust Collector		106.261, 106.262/11/01/2003[110176]	
A	2	567	OP- PBRSUP	No. 1 Reactor Seed Bed Conveying		106.261, 106.262/11/01/2003[110176]	
A	2	573	OP- PBRSUP	Resin Recycling Vessel Filter Vent		106.261, 106.262/11/01/2003[110176]	
A	2	574	OP- PBRSUP	Pellet Dryer		106.261, 106.262/11/01/2003[110176]	
A	2	574-ST	OP- PBRSUP	Pellet Surge Tank Vent		106.261, 106.262/11/01/2003[110176]	
A	2	575	OP- PBRSUP	Dust Arrestor No. 5 Pellet Loading		106.261, 106.262/11/01/2003[110176]	
A	2	576	OP- PBRSUP	Dust Arrestor No. 7 Pellet Loading		106.261, 106.262/11/01/2003[110176]	

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

Table 1

Date			Permit No.			Regulated Entity No.	
01/08/2024			O2025			RN106319379	
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
A	2	577	OP-PBR SUP	Dust Collector Pellet Loading		106.261, 106.262/11/01/2003[110176]	
A	2	777	OP-PBR SUP	PEEB SCA, SCPMS, and NPTMS SCA Tank		106.261, 106.262/11/01/2003[110176]	
A	2	1011	OP-PBR SUP	Mixed Feed Hopper Vent		106.261, 106.262/11/01/2003[110176]	
A	2	1012	OP-PBR SUP	Central Vacuum Cleaning System		106.261, 106.262/11/01/2003[110176]	
A	2	1018	OP-PBR SUP	Additive Dump Station		106.261, 106.262/11/01/2003[110176]	
A	2	1019	OP-PBR SUP	Mastermix Blender 7217		106.261, 106.262/11/01/2003[110176]	
A	2	1020	OP-PBR SUP	Mastermix Blender 7218		106.261, 106.262/11/01/2003[110176]	
A	2	1033	OP-PBR SUP	TEAL/MO Seal Pot		106.261, 106.262/11/01/2003[110176]	

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

[Table 1](#)

Date			Permit No.			Regulated Entity No.	
01/08/2024			O2025			RN106319379	
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
A	2	1034	OP-PBRSUP	Screen Pak Cleaner		106.261, 106.262/11/01/2003[110176]	
A	2	1037	OP-PBRSUP	3%/97% IC5/MO Cat Feed Tanks		106.261, 106.262/11/01/2003[110176]	
A	2	580	OP-PBRSUP	Routine Maintenance, Start-up and Shutdown (MSS)		106.263/11/01/2001	
A	2	LAB-101	OP-PBRSUP	Laboratory Testing		106.122/09/04/2000	
A	2	WELD-111	OP-PBRSUP	Welding Operations		106.227/09/04/2000	
A	2	CG-111	OP-PBRSUP	Cylinder Gas		106.372/09/04/2000	
A	2	VAC-RAIL	OP-PBRSUP	Vacuum System for Railcars		106.393/09/04/2000	
A	2	SAND-111	OP-PBRSUP	Sandblasting Cabinet		106.452/09/04/2000	
A	2	DEG-111	OP-PBRSUP	Degreaser Cabinet		106.454/11/01/2001	

TCEQ-10344 (APDG 5767v7, Revised 05/20) OP-SUMR

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

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
01/08/2024	02025	RN106319379

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
580	R1111	NO	NO			

**Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program**

Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)

Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
01/08/2024	02025	RN106319379

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
580	NO ASST	YES	YES	NONE	60-400	1000-
580	AIR ASST	YES	YES	AIR		

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

Date	Permit No.	Regulated Entity No.
01/08/2024	02025	RN106319379

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
344	R5121	NO	NO	SPECVOC			30K-*	NO
573	R5121	NO	NO	SPECVOC			30K-*	NO
574	R5121	NO	NO	SPECVOC			30K-*	NO
575	R5121	NO	NO	SPECVOC		100-		NO
576	R5121	NO	NO	SPECVOC		100-		NO
577	R5121	NO	NO	SPECVOC		100-		NO
580 VENT	R5121	NO	NO	SPECVOC		100+		

*Consistent with the current permit, Braskem proposes to comply with the exemption applicable to vent gas streams having a VOC concentration less than 30,000 ppmv.

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 4)
Federal Operating Permit Program
Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/08/2024	02025	RN106319379

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
344	R5121	NONE			
573	R5121	NONE			
574	R5121	NONE			
575	R5121	NONE			
576	R5121	NONE			
577	R5121	NONE			
580 VENT	R5121	NONE		Flare	580

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

Date	Permit No.	Regulated Entity No.
01/08/2024	02025	RN106319379

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
1011	R5121	NO	NO	SPECVOC		100-		NO
1019	R5121	NO	NO	SPECVOC		100-		NO
1020	R5121	NO	NO	SPECVOC		100-		NO
1034	R5121	NO	NO	SPECVOC		100-		NO
1087	R5121	NO	NO	SPECVOC		100-		NO

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 4)
Federal Operating Permit Program
Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/08/2024	02025	RN106319379

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
1011	R5121	NONE			
1019	R5121	NONE			
1020	R5121	NONE			
1034	R5121	NONE			
1087	R5121	NONE			

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 1)**

Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

Process ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/Modification Date	Experimental Process Line	Modified After Applicability Date	Table 2 Threshold Emission Rates
PRORMPREP		PROPYL	YES	87-			
PROREACTN		PROPYL	YES	87-			
PROSTORE		PROPYL	YES	87-			
PROFINISH	FLR-CNT	PROPYL	YES	89+	NO		
PROFINISH	EX-MG/Y	PROPYL	YES	89+	NO		
PROFINISH	EX-CONC	PROPYL	YES	89+	NO		
PRORECVRY	FLR-INT	PROPYL	YES	89+	NO		
PRORECVRY	FLR-CNT	PROPYL	YES	89+	NO		

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60**

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PROFINISH	FLR-CNT	1-	CONT	1.6+	0.1+
PROFINISH	EX-MG/Y	1-	CONT	1.6-	0.1+
PROFINISH	EX-CONC	1-	CONT	1.6+	0.1-
PRORECVRY	FLR-INT	1-	INTER		
PRORECVRY	FLR-CNT	1-	CONT	1.6+	0.1+

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 5)**

Federal Operating Permit Program

Table 1e: Title 40 Code of Federal Regulations Part 60

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

Process ID No.	SOP Index No.	Control of Continuous Emissions	Continuous Control Device	Control Device ID No.	Annual Emissions Entering the Control Device	Table 3 Control Requirements	Emission Reduction From Control Device
PROFINISH	FLR-CNT	ALL	FLARE	580	CTE+		
PRORECVRY	FLR-CNT	ALL	FLARE	580	CTE+		

**Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60**

Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

Process ID No.	SOP Index No.	Emergency Vent	Existing Control Device	Intermittent Control Device	Control Device ID No.
PRORECVRY	FLR-INT	NO	YES		

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 5	
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)	
C. Industrial Wastewater	
1. The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. <i>If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.</i>	☐ YES ☐ NO ☒ 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>	☐ YES ☐ NO
3. The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). <i>If the response to Question III.C.3 is "YES," go to Section III.D.</i>	☐ YES ☐ NO
4. The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). <i>If the response to Question III.C.4 is "YES," go to Section III.D.</i>	☐ YES ☐ NO
5. The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐ YES ☐ NO
6. The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐ YES ☐ NO
7. The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐ YES ☐ NO
D. Loading and Unloading of VOCs	
◆ 1. The application area includes VOC loading operations.	☐ YES ☒ NO
◆ 2. The application area includes VOC transport vessel unloading operations. <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i>	☐ YES ☒ 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.	☐ YES ☐ NO
E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities	
◆ 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. <i>If the response to Question III.E.1 is "NO," go to Section III.F.</i>	☐ YES ☒ NO
◆ 2. Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐ YES ☐ NO
◆ 3. All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. <i>If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.</i>	☐ YES ☐ 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>	☐ YES ☐ NO
◆ 5. Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☐ YES ☐ NO
◆ 6. Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐ YES ☐ NO
◆ 7. At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. <i>If the response to Question III.E.7 is "YES," go to Section III.F.</i>	☐ YES ☐ NO

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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>	☐ YES ☐ NO
◆	9. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐ YES ☐ NO
◆	10. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐ YES ☐ NO
◆	11. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☐ YES ☐ NO
◆	12. At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐ YES ☐ NO
F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)		
◆	1. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐ YES ☐ NO ☐ N/A

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

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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>	☐ YES ☐ NO ☒ N/A
◆ 2. The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐ YES ☐ NO
◆ 3. The application area includes a motor vehicle fuel dispensing facility.	☐ YES ☐ NO
◆ 4. The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐ YES ☐ NO
I. Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries	
1. The application area is located at a petroleum refinery.	☐ YES ☒ NO
J. Surface Coating Processes (Complete this section for GOP applications only.)	
◆ 1. Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐ YES ☐ NO ☐ 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>	☐ YES ☐ NO ☒ N/A
2. The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐ YES ☐ NO ☐ N/A
3. Asphalt emulsion is used or produced within the application area.	☐ YES ☐ NO
4. The application area is using an alternate control requirement as specified in 30 TAC § 115.513. <i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>	☐ YES ☐ NO
5. The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐ YES ☐ NO
6. The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐ YES ☐ NO
7. The applicant using cutback asphalt is a state, municipal, or county agency.	☐ YES ☐ NO
L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels	
◆ 1. The application area includes degassing operations for stationary, marine, and/or transport vessels. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	☐ YES ☐ NO ☒ 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>	☐ YES ☐ NO ☐ 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.	☐ YES ☐ NO ☐ N/A
◆	4. Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO ☐ N/A
◆	5. Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO
◆	6. Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO ☐ N/A
◆	7. Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure $\geq$ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐ YES ☐ NO ☐ N/A
M. Petroleum Dry Cleaning Systems		
1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐ YES ☐ NO ☒ N/A

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

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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. For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F. For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F. For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i>	☐ YES ☒ 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>	☐ YES ☒ 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. If the response to Question IV.A.3 is "YES," go to Question IV.G.1. If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i>	☐ YES ☒ NO
B. Utility Electric Generation in Ozone Nonattainment Areas	
1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	☐ YES ☐ NO
2. The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ YES ☐ NO

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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>	☐ YES ☐ NO
◆	2. The application area is located at a site that was a major source of NO _x before November 15, 1992.	☐ YES ☐ NO ☐ N/A
◆	3. The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐ YES ☐ NO
D. Adipic Acid Manufacturing		
	1. The application area is located at, or part of, an adipic acid production unit.	☐ YES ☐ NO ☐ N/A
E. Nitric Acid Manufacturing - Ozone Nonattainment Areas		
	1. The application area is located at, or part of, a nitric acid production unit.	☐ YES ☐ NO ☐ N/A
F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines		
◆	1. The application area is located at a site that is a minor source of NO_x in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). <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>	☐ YES ☐ NO
◆	2. The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐ YES ☐ NO
◆	3. The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐ YES ☐ NO

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IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)		
F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)		
◆	4. The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ YES ☐ NO
◆	5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ YES ☐ NO
	6. The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	☐ YES ☐ NO
	7. An ACSS for carbon monoxide (CO) has been approved?	☐ YES ☐ NO
	8. An ACSS for ammonia (NH ₃) has been approved?	☐ YES ☐ NO
	9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
G. Utility Electric Generation in East and Central Texas		
	1. The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	☐ YES ☐ NO
	2. The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ YES ☐ NO
H. Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters		
	1. The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. <i>If the response to question IV.H.1 is "NO," go to Section V.</i>	☐ YES ☒ NO
	2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ YES ☐ NO

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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.	☐ YES ☒ 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>	☐ YES ☒ 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).	☐ YES ☐ NO
B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products	
1. The application area manufactures consumer products for sale or distribution in the United States.	☐ YES ☒ NO
2. The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐ YES ☒ NO
3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	☐ YES ☒ NO
4. All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐ YES ☐ NO

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V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)	
C. Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings	
1. The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐ YES ☒ NO
2. The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. <i>If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.</i>	☐ YES ☒ NO
3. All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐ YES ☐ NO
D. Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings	
1. The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐ YES ☒ NO
2. The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐ YES ☒ NO
E. Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers	
1. The application area manufactures or imports portable fuel containers for sale or distribution in the United States. <i>If the response to Question V.E.1 is "NO," go to Section VI.</i>	☐ YES ☒ NO
2. All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐ YES ☐ NO
VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards	
A. Applicability	
◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. <i>If the response to Question VI.A.1 is "NO," go to Section VII.</i>	☒ YES ☐ 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>	☐ YES ☒ 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>	☐ YES ☐ 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>	☐ YES ☐ 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>	☐ YES ☐ NO
5. The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐ YES ☐ NO
C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)	
◆ 1. The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. <i>If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.</i>	☐ YES ☐ NO ☐ N/A
◆ 2. One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. <i>If the response to Question VI.C.2 is "NO," go to Section VI.D.</i>	☐ YES ☐ NO
◆ 3. One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐ YES ☐ NO
◆ 4. The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐ YES ☐ NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)	
◆	5. One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides. ☐ YES ☐ NO
D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals	
	1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i> ☐ YES ☒ NO ☐ N/A
	2. One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC. ☐ YES ☐ NO
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions	
◆	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> ☐ YES ☒ NO
◆	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> ☐ YES ☐ NO
◆	3. The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. <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> ☐ YES ☐ NO

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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>	☐ YES ☐ NO
◆ 5. Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants	
1. The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. <i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i>	☐ YES ☒ NO
2. Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ YES ☐ NO
G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	
1. The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. <i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i>	☐ YES ☒ NO
2. The application area includes storm water sewer systems.	☐ YES ☐ 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.	☐ YES ☐ NO
4. The application area includes non-contact cooling water systems.	☐ YES ☐ 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>	☐ YES ☐ NO
6. The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐ YES ☐ NO
7. The application area includes completely closed drain systems.	☐ YES ☐ NO
H. Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004	
◆ 1. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. <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>	☐ YES ☒ NO ☐ N/A
◆ 2. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
◆ 3. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.H.4 is "NO," go to Section VI.I.</i>	☐ YES ☒ 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>	☐ YES ☐ NO
◆ 6. All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐ YES ☐ NO
◆ 7. The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
◆ 8. All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐ YES ☐ NO
I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001	
◆ 1. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. <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>	☐ YES ☒ NO ☐ N/A
◆ 2. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐ YES ☐ NO

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

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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>	☐ YES ☒ NO ☐ N/A
◆	2. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO
◆	3. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO
◆	4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	☐ YES ☒ NO
◆	5. The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	☐ YES ☐ NO
◆	6. All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
◆	7. The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO

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

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

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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.	☐ YES ☐ NO
d. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
f. A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐ YES ☐ NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
<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>	☐ YES ☐ 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>	☐ YES ☐ NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐ YES ☐ NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO

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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.	☐ YES ☐ NO
e. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
f. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
g. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐ YES ☐ NO
h. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
<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>	☐ YES ☐ NO
a. Visible emissions are discharged to outside air from the manufacturing operation.	☐ YES ☐ NO
b. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO
c. Asbestos-containing waste material is processed into non-friable forms.	☐ YES ☐ NO
d. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO

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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.	☐ YES ☐ NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
<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.	☐ YES ☐ 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.	☐ YES ☐ NO
F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	
1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐ YES ☐ NO
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations	
1. The application area is located at a benzene production facility and/or bulk terminal. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	☐ YES ☐ NO
2. The application area includes benzene transfer operations at marine vessel loading racks.	☐ YES ☐ 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.	☐ YES ☐ NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	☐ YES ☐ NO
H. Subpart FF - National Emission Standard for Benzene Waste Operations	
Applicability	
1. The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐ YES ☐ NO
2. The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	☐ YES ☐ 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>	☐ YES ☐ NO
4. The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	☐ YES ☐ NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	☐ YES ☐ 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.	☐ YES ☐ NO
7. The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐ YES ☐ NO
Waste Stream Exemptions	
8. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐ YES ☐ NO
9. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐ YES ☐ NO
10. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐ YES ☐ NO
11. The application area transfers waste off-site for treatment by another facility.	☐ YES ☐ NO
12. The application area is complying with 40 CFR § 61.342(d).	☐ YES ☐ NO
13. The application area is complying with 40 CFR § 61.342(e). <i>If the response to Question VII.H.13 is "NO," go to Question VII.H.15.</i>	☐ YES ☐ NO
14. The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐ YES ☐ NO

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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>	☐ YES ☐ 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>	☐ YES ☐ NO
17. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
Individual Drain Systems	
18. The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. <i>If the response to Question VII.H.18 is "NO," go to Question VII.H.25.</i>	☐ YES ☐ NO
19. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VII.H.19 is "YES," go to Question VII.H.25.</i>	☐ YES ☐ 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>	☐ YES ☐ NO
21. Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)	
2. The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). <i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i>	☐ YES ☐ NO
3. The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐ YES ☐ NO
4. The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐ YES ☐ NO
5. The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does <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. <i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</i>	☐ YES ☐ NO

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

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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>	☐ YES ☐ NO
9. The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐ YES ☐ NO
10. The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐ YES ☐ NO
<i>Transfer Racks</i>	
11. The application area includes Group 1 transfer racks that load organic HAPs.	☐ YES ☐ 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>	☐ YES ☐ 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>	☐ YES ☐ NO
14. The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐ YES ☐ NO
15. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. <i>If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.</i>	☐ YES ☐ NO

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

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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>	☐ YES ☐ NO
25. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.</i>	☐ YES ☐ NO
26. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
27. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
28. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.</i>	☐ YES ☐ NO
29. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
30. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO

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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>	☐ YES ☐ NO
32. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
33. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
34. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>	☐ YES ☐ NO
35. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>	☐ YES ☐ NO
36. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐ YES ☐ NO

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
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>	☐ YES ☐ 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>	☐ YES ☐ NO
6. The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). <i>If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.</i>	☐ YES ☐ 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>	☐ YES ☐ NO
8. Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). <i>If the response to Question VIII.G.8 is "YES," go to Section VIII.H.</i>	☐ YES ☐ 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>	☐ YES ☐ 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>	☐ YES ☐ NO
11. The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐ YES ☐ NO

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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>	☐ YES ☒ 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>	☐ YES ☐ 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>	☐ YES ☐ NO
4. The application area includes one or more kraft pulping systems that are existing sources.	☐ YES ☐ NO
5. The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐ YES ☐ NO
6. The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. <i>If the response to Question VIII.H.6 is "NO," go to Section VIII.I.</i>	☐ YES ☐ NO
7. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐ YES ☐ NO
8. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐ YES ☐ NO

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

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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>	☐ YES ☐ NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	☐ YES ☐ NO
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	☐ YES ☐ NO
10. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO

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

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

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
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>	☐ YES ☐ NO
12. VOHAP concentration is determined by direct measurement.	☐ YES ☐ NO
13. VOHAP concentration is based on knowledge of the off-site material.	☐ YES ☐ NO
14. The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	☐ YES ☐ NO
15. An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ YES ☐ NO
16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ YES ☐ NO
17. The application area includes containers that manage non-exempt off-site material.	☐ YES ☐ NO
18. The application area includes individual drain systems that manage non-exempt off-site materials.	☐ YES ☐ NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
P. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities	
1. The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. <i>If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.</i>	☐ YES ☒ NO ☐ N/A
2. The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐ YES ☐ NO
Q. Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.	
◆ 1. The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐ YES ☒ NO
◆ 2. The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. <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>	☐ YES ☒ 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>	☐ YES ☐ 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>	☐ YES ☐ NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)		
◆	5. The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft³) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. <i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i> <i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i>	☐ YES ☐ NO
◆	6. The application area includes a triethylene glycol (TEG) dehydration unit. <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>	☐ YES ☐ NO
◆	7. The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐ YES ☐ NO
◆	8. The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐ YES ☐ NO
◆	9. Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐ YES ☐ NO

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

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

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

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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>	☐ YES ☐ NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	☐ YES ☐ NO
17. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐ YES ☐ NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO

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

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

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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>	☐ YES ☐ 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>	☐ YES ☐ 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>	☐ YES ☐ NO
35. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
36. The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. <i>If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.</i>	☐ YES ☐ NO
37. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.</i>	☐ YES ☐ NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)	
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>	☐ YES ☐ NO
39. Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
40. The application area has individual drain systems complying with 40 CFR § 61.346(b). <i>If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.</i>	☐ YES ☐ NO
41. Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ YES ☐ NO
42. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☐ NO
43. The application area has at least one waste stream that contains benzene. <i>If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.</i>	☐ YES ☐ 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>	☐ YES ☐ 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>	☐ YES ☐ NO

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

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

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
5. The application area includes process wastewater streams. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	☐ YES ☐ NO
6. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐ YES ☐ NO
7. The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐ YES ☐ NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	☐ YES ☐ NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	☐ YES ☐ NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	☐ YES ☐ NO

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

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

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

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

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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>	☒ YES ☐ NO
2. The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐ YES ☒ NO
3. The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ YES ☒ NO
4. The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. <i>If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.</i>	☐ YES ☒ NO
5. The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ YES ☐ NO
6. The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. <i>If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.</i>	☐ YES ☒ 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>	☐ YES ☐ NO
8. The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ YES ☐ NO
9. The bulk gasoline terminal loads gasoline into railcar cargo tanks. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	☐ YES ☐ NO
10. The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ YES ☐ NO

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

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

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

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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>	☐ YES ☒ NO ☐ N/A
◆ 2. Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below.	
C. Emission Limitation Certifications	
◆ 1. The application area includes units for which federally enforceable emission limitations have been established by certification.	☐ YES ☒ NO
D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements	
1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐ YES ☒ NO
2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐ YES ☒ NO
3. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i>	☐ YES ☒ NO
4. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i>	☐ YES ☒ 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.	☐ YES ☒ NO
2. The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ YES ☒ NO
3. The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ YES ☒ NO
F. 40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_x Ozone Season Group 2 Trading Program	
1. The application area includes emission units subject to the requirements of the CSAPR NO _x Ozone Season Group 2 Trading Program. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	☐ YES ☒ NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO _x and heat input.	☐ YES ☐ NO
3. The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO _x , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ YES ☐ NO
4. The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO _x , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ YES ☐ NO
5. The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO _x and heat input.	☐ YES ☐ NO
6. The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO _x and heat input.	☐ YES ☐ NO
7. The application area includes emission units that qualify for the CSAPR NO _x Ozone Season Group 2 retired unit exemption.	☐ YES ☒ NO

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

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

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XI. Miscellaneous (continued)		
J. Title 30 TAC Chapter 101, Subchapter H (continued)		
◆	4. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO _x .	☐ YES ☒ NO
◆	5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ YES ☒ NO
◆	6. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ YES ☒ NO
◆	7. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ YES ☒ NO
K. Periodic Monitoring		
◆	1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☐ YES ☒ NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	☐ YES ☒ NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	☐ YES ☐ 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>	☒ YES ☐ 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>	☒ YES ☐ NO
◆	3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☒ YES ☐ NO
◆	4. The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i>	☐ YES ☒ NO
	5. The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ YES ☒ NO
	6. Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
◆	7. At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ YES ☒ NO
◆	8. All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>	☐ YES ☒ 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.	☐ YES ☒ 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.	☒ YES ☐ 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.	☐ YES ☒ NO
◆	12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ YES ☒ 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>	☐ YES ☐ NO ☒ 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.	☐ YES ☐ NO
XII. New Source Review (NSR) Authorizations		
A. Waste Permits with Air Addendum		
◆	1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>	☐ YES ☒ NO

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XII. New Source Review (NSR) Authorizations (continued)		
B. Air Quality Standard Permits		
◆	1. The application area includes at least one Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.</i>	☐ YES ☒ NO
◆	2. The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐ YES ☐ NO
◆	3. The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐ YES ☐ NO
◆	4. The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐ YES ☐ NO
◆	5. The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐ YES ☐ NO
◆	6. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐ YES ☐ NO
◆	7. The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐ YES ☐ NO
	8. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐ YES ☐ NO
◆	9. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐ YES ☐ NO
◆	10. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐ YES ☐ NO

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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

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.	☐ YES ☐ 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>	☐ YES ☐ NO
◆	13. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ YES ☐ NO
◆	14. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ YES ☐ NO
◆	15. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ YES ☐ NO
◆	16. The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ YES ☐ NO
C. Flexible Permits		
	1. The application area includes at least one Flexible Permit NSR authorization.	☐ YES ☒ NO
D. Multiple Plant Permits		
	1. The application area includes at least one Multi-Plant Permit NSR authorization.	☐ YES ☒ NO

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

For SOP applications, answer ALL questions unless otherwise directed.

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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.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.: 9422	Issuance Date: 4/13/21	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.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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

Date:	01/08/2024
Permit No.:	O2025
RN No.:	RN106319379

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.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.122	Version No./Date: 9/04/2000
PBR No.: 106.227	Version No./Date: 9/04/2000
PBR No.: 106.372	Version No./Date: 9/04/2000
PBR No.: 106.393	Version No./Date: 9/04/2000
PBR No.: 106.452	Version No./Date: 9/04/2000
PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

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

Date	Permit No.	Regulated Entity No.
01/08/2024	O2025	RN106319379

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
		578	OP-UA12	NSPS VV	§60.489	Manufacturing unit does not produce listed SOCMI chemical.
		PRORMPREP	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
		PROREACTN	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
		PROSTORE	OP-UA28	NSPS DDD	§60.560(b)(1)(ii)	Constructed before 9/30/1987 with no modification or reconstruction after 9/30/1987.
A	3	DEG-111	OP-REQ2	Chapter 115	§115.410(a)	Source is not located in listed counties.

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	580	OP-UA7	R1111	Opacity	Chapter 111	§111.111(a)(4)(A)
	580	OP-UA7	NO ASST	Opacity	NSPS A	§60.18(b) §60.18(c)(1) §60.18(c)(2) §60.18(c)(3)(ii) §60.18(c)(4)(iii) §60.18(c)(6) §60.18(e)
	580	OP-UA7	AIR ASST	Opacity	NSPS A	§60.18(b) §60.18(c)(1) §60.18(c)(2) §60.18(c)(3)(ii) §60.18(c)(5) §60.18(c)(6) §60.18(e)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	580	R1111	Opacity	§111.111(a)(4)(A)(i) §111.111(a)(4)(A)(ii)	§111.111(a)(4)(A)(ii)	
	580	No ASST	Opacity	§60.18(d) §60.18(f)(1) §60.18 (f)(2) §60.18(f)(3) §60.18(f)(4) §60.18(f)(5)		
	580	AIR ASST	Opacity	§60.18(d) §60.18(f)(1) §60.18 (f)(2) §60.18(f)(3) §60.18(f)(6)		

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) 2 §60.482-1(a), (b), (g) §60.482-2(b)(1) [G]§60.482-2(b)(2) §60.482-2(c)(1) [G]§60.482-2(c)(2) §60.482-2(d) [G]§60.482-2(d)(1) §60.482-2(d)(2)-(3) [G]§60.482-2(d)(4)-(6) [G]§60.482-2(e), (f), [G](g), (h) §60.482-9(a), (b), [G](d), (f) §60.486(k) §60.562-2(d), (e)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	§60.482-1(f)(1) §60.482-1(f)(2) [G]§60.482-1(f)(3) [G]§60.482-2(a) [G]§60.482-2(b)(2) [G]§60.482-2(d)(4) §60.485(a) [G]§60.485(b) [G]§60.485(c), (d) [G]§60.485(e), (f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a) [G]§60.486(b)-(c) §60.486(e) §60.486(e)(1) [G]§60.486(e)(2) [G]§60.486(e)(4) §60.486(f) [G]§60.486(h),(j) §60.562-2(e)	§60.487(a) [G]§60.487(b)-(c) §60.487(e) §60.562-2(e) §60.565(l)

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-3(a) [G]§60.482-3(b) §60.482-3(c)-(d) §60.482-3(e)(1) §60.482-3(e)(2) §60.482-3(f) §60.482-3(g)(1)-(2) §60.482-3(h) [G]§60.482-3(i) §60.482-3(j) §60.482-9(a) §60.482-9(b) §60.486(k) §60.562-2(d) §60.562-2(e)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	<i>§60.482-3(e)(1)</i> §60.485(a) [G]§60.485(b)-(d) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a)-(c) §60.486(e) §60.486(e)(1) [G]§60.486(e)(2) [G]§60.486(e)(4) [G]§60.486(h) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b)-(c) §60.487(e) §60.562-2(e) §60.565(l)

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
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Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-4(a) §60.482-4(b)(1) §60.482-4(c) §60.482-4(d)(1) §60.482-4(d)(2) §60.482-9(a) §60.482-9(b) §60.486(k) §60.562-2(d) §60.562-2(e)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-6(a)(1) §60.482-6(a)(2) §60.482-6(b)-(e) §60.486(k) §60.562-2(d) §60.562-2(e)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	§60.482-4(b)(2) §60.485(a) [G]§60.485(b)-(c) [G]§60.485(d) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a) §60.486(e) §60.486(e)(1) §60.486(e)(3) [G]§60.486(e)(4) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b) [G]§60.487(c) §60.487(e) §60.562-2(e) §60.565(l)
	578	60DDD-12	VOC/TOC	§60.485(a) [G]§60.485(b) [G]§60.485(d) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a) §60.486(e) §60.486(e)(1) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b) [G]§60.487(c) §60.487(e) §60.562-2(e) §60.565(l)

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-7(b) §60.482-7(d)(1)-(2) [G]§60.482-7(e)-(h) §60.482-9(a) §60.482-9(b) [G]§60.482-9(c) §60.482-9(e)-(f) §60.486(k) §60.562-2(d) §60.562-2(e)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
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Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	§60.482-1(f)(1) §60.482-1(f)(2) [G] §60.482-1(f)(3) §60.482-7(a)(1) [G] §60.482-7(a)(2). §60.482-7(c)(1)(i)-(ii) §60.482-7(c)(2) §60.485(a) [G]§60.485(b)-(e) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a) [G]§60.486(b)-(c) §60.486(e) §60.486(e)(1) [G]§60.486(e)(2) [G]§60.486(e)(4) [G]§60.486(f)-(g) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b)-(c) §60.487(e) §60.565(l)

**Applicable Requirements Summary
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Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-8(a) §60.482-8(a)(2) §60.482-8(b) §60.482-8(c)(1) §60.482-8(c)(2) §60.482-8(d) §60.482-9(a) §60.482-9(b) §60.482-9(f) §60.486(k) §60.562-2(d) §60.562-2(e)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1 (b) §60.482-1(g) §60.482-8(a) §60.482-8(a)(2) §60.482-8(b) §60.482-8(c)(1)-(2) §60.482-8(d) §60.482-9(a) §60.482-9(b) §60.482-9(f) §60.486(k) §60.562-2(d) §60.562-2(e)

**Applicable Requirements Summary
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Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	§60.482-8(a)(1) §60.485(a) [G]§60.485(b) [G]§60.485(d)-(e) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a)-(c) §60.486(e) §60.486(e)(1) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b) [G]§60.487(c) §60.487(e) §60.562-2(e) §60.565(l)
	578	60DDD-12	VOC/TOC	§60.482-8(a)(1) §60.485(a) [G]§60.485(b) [G]§60.485(d) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.486(a)-(c) §60.486(e) §60.486(e)(1) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b) [G]§60.487(c) §60.487(e) §60.562-2(e) §60.565(l)

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.18 §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-10(d) §60.482-10(m) §60.486(k) §60.562-2(d) §60.562-2(e)
	578	OP-UA12	60DDD-12	VOC/TOC	NSPS DDD	§60.562-2(a) §60.482-1(a) §60.482-1(b) §60.482-1(g) §60.482-10 [G]§60.482-10(f)-(g) §60.482-10(h)-(i) [G]§60.482-10(j) [G]§60.482-10(k) §60.482-10(m) §60.486(k) §60.562-2(d) §60.562-2(e)

**Applicable Requirements Summary
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Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	578	60DDD-12	VOC/TOC	§60.482-10(e) §60.485(a) [G]§60.485(b)-(d) §60.485(f) [G]§60.485(g) §60.562-2(d)	§60.482-1(g) [G]§60.486(a) [G]§60.486(d) §60.486(e) §60.486(e)(1) §60.486(j) §60.562-2(e)	§60.487(a) [G] §60.487(b)-(c) §60.487(e) §60.562-2(e) §60.565(l)
	578	60DDD-12	VOC/TOC	§60.485(a) [G]§60.485(b) [G]§60.485(d) §60.485(f) §60.562-2(d)	§60.482-1(g) [G]§60.482-10(l) [G]§60.486(a) [G]§60.486(d) §60.486(e) §60.486(e)(1) §60.486(j) §60.562-2(e)	§60.487(a) [G]§60.487(b)-(c) §60.487(e) §60.562-2(e) §60.565(l)

**Applicable Requirements Summary
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Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	344	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(C) §115.127(c)(1)
	573	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(C) §115.127(c)(1)
	574	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(C) §115.127(c)(1)
	575	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	576	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	577	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)

**Applicable Requirements Summary
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Federal Operating Permit Program**

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	344	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(C)	§115.126 §115.126(2) §115.126(3) §115.126(3)(C)	
	573	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(C)	§115.126 §115.126(2) §115.126(3) §115.126(3)(C)	
	574	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(C)	§115.126 §115.126(2) §115.126(3) §115.126(3)(C)	
	575	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	576	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	577	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	

Applicable Requirements Summary

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Federal Operating Permit Program

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	580 VENT	OP-UA15	R5121	VOC	Chapter 115	§115.122(c)(1) §115.121(c)(1) §115.122(c)(1)(B) §60.18
	1011	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	1019	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	1020	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	1034	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)
	1087	OP-UA15	R5121	VOC	Chapter 115	§115.127(c)(1)(B) §115.127(c)(1)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	580 VENT	R5121	VOC	[G]§115.125 §115.126(2)	§115.126 §115.126(2)	
	1011	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	1019	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	1020	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	1034	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	
	1087	R5121	VOC	[G]§115.125 §115.126(2) §115.126(3)(B)	§115.126 §115.126(2) §115.126(3) §115.126(3)(B)	

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	PROFINISH	UA-28	FLR-CNT	VOC/TOC	NSPS DDD	§60.562-1(a)(1) §60.18 §60.562-1(a)(1)(i) §60.562-1(a)(1)(i)(C) §60.562-1(a)(1)(iii) §60.562-1(a)(1)(iii)(A) §60.562-1(d) §60.562-1(e)
	PROFINISH	UA-28	EX-MG/Y	VOC/TOC	NSPS DDD	§60.560(g)
	PROFINISH	UA-28	EX-CONC	VOC/TOC	NSPS DDD	§60.560(g)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	PROFINISH	FLR-CNT	VOC/TOC	[G]§60.563(a) §60.563(b) §60.563(b)(2)(i) §60.563(c) §60.563(d)(1) §60.563(d)(2) §60.564(a) §60.564(a)(1) §60.564(a)(3) [G]§63.564(d) [G]§60.564(e) [G]§60.564(f) [G]§60.564(g)	[G]§60.563(a) §60.563(d)(1) §60.565(a) [G]§60.565(a)(3) [G]§60.565(b)(2) [G]§60.565(e) [G]§60.565(g) §60.565(j)	§60.565(a) [G]§60.565(a)(3) §60.565(b)(1) §60.565(i) §60.565(j) §60.565(k) §60.565(k)(2) §60.565(k)(4) §60.565(l)
	PROFINISH	EX-MG/Y	VOC/TOC	[G]§60.564(d)	§60.565(a) §60.565(a)(10) §60.565(h)	§60.565(a) §60.565(a)(10) §60.565(k) §60.565(k)(6) §60.565(k)(7)
	PROFINISH	EX-CONC	VOC/TOC	[G]§60.564(d)	§60.565(a) §60.565(a)(10) §60.565(h)	§60.565(a) §60.565(a)(10) §60.565(k) §60.565(k)(6) §60.565(k)(7)

**Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program**

Table 1a: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	PRORECVRY	UA-28	FLR-INT	VOC/TOC	NSPS DDD	§60.562-1(a)(2)
	PRORECVRY	UA-28	FLR-CNT	VOC/TOC	NSPS DDD	§60.562-1(a)(1) §60.18 §60.562-1(a)(1)(i) §60.562-1(a)(1)(i)(C) §60.562-1(a)(1)(iii) §60.562-1(a)(1)(iii)(A) §60.562-1(d) §60.562-1(e)

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

Table 1b: Additions

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.	Area Name: Seadrift PP Facility	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	PRORECVRY	FLR-INT	VOC/TOC	None	None	None
	PRORECVRY	FLR-CNT	VOC/TOC	[G]§60.563(a) §60.563(b) §60.563(b)(2)(i) §60.563(c) §60.563(d)(1) §60.563(d)(2) §60.564(a) §60.564(a)(1) §60.564(a)(3) [G]§63.564(d) [G]§60.564(e) [G]§60.564(f) [G]§60.564(g)	[G]§60.563(a) §60.563(d)(1) §60.565(a) [G]§60.565(a)(3) [G]§60.565(b)(2) [G]§60.565(e) [G]§60.565(g) §60.565(j)	§60.565(a) [G]§60.565(a)(3) §60.565(b)(1) §60.565(i) §60.565(j) §60.565(k) §60.565(k)(2) §60.565(k)(4) §60.565(l)

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

Date: 01/08/2024	Regulated Entity No.: RN106319379	Permit No.: O2025
Company Name: Braskem America, Inc.		Area Name: Seadrift PP Facility

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

Part 1

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