

**From:** [Alexander, J. Garrett](#)  
**To:** [Liam Lin](#)  
**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas  
**Date:** Tuesday, October 14, 2025 2:20:32 PM  
**Attachments:** [image002.png](#)  
[Outlook-A logo wit.png](#)

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Liam,

The requested information has been submitted.

Regards,



**Garrett Alexander**  
Principal Environmental Engineer  
[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)  
O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.  
La Porte, Texas 77571  
[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Tuesday, October 14, 2025 10:25 AM  
**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Morning Garrett,

I am approving your deadline extension request to the end of the day on **10/14/2025**.

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](mailto:Liam.Lin@tceq.texas.gov)

## Texas Commission on Environmental Quality

Title V Existing

2290

### Site Information (Regulated Entity)

|                                                       |                       |
|-------------------------------------------------------|-----------------------|
| What is the name of the permit area to be authorized? | LYONDELLBASELL SYNGAS |
| Does the site have a physical address?                | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603 STRANG RD       |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.705                |
| Longitude (W) (-###.#####)                            | 95.055277             |
| Primary SIC Code                                      | 2813                  |
| Secondary SIC Code                                    |                       |
| Primary NAICS Code                                    | 325120                |
| Secondary NAICS Code                                  |                       |
| Regulated Entity Site Information                     |                       |
| What is the Regulated Entity's Number (RN)?           | RN100217207           |
| What is the name of the Regulated Entity (RE)?        | LYONDELLBASELL SYNGAS |
| Does the RE site have a physical address?             | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603B STRANG RD      |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.706388             |
| Longitude (W) (-###.#####)                            | -95.056111            |
| Facility NAICS Code                                   |                       |
| What is the primary business of this entity?          | SYNGAS PLANT          |

### Customer (Applicant) Information

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| How is this applicant associated with this site? | Owner Operator              |
| What is the applicant's Customer Number (CN)?    | CN603674862                 |
| Type of Customer                                 | Corporation                 |
| Full legal name of the applicant:                |                             |
| Legal Name                                       | LyondellBasell Acetyls, LLC |
| Texas SOS Filing Number                          | 801196716                   |
| Federal Tax ID                                   | 271191233                   |
| State Franchise Tax ID                           | 12711912332                 |
| State Sales Tax ID                               |                             |

|                                   |           |
|-----------------------------------|-----------|
| Local Tax ID                      |           |
| DUNS Number                       | 957636194 |
| Number of Employees               | 501+      |
| Independently Owned and Operated? | No        |

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

|                                                              |                            |
|--------------------------------------------------------------|----------------------------|
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC |
| Prefix                                                       | MR                         |
| First                                                        | MARK                       |
| Middle                                                       |                            |
| Last                                                         | BOOKMYER                   |
| Suffix                                                       |                            |
| Credentials                                                  |                            |
| Title                                                        | SITE MANAGER               |
| Enter new address or copy one from list:                     |                            |
| Mailing Address                                              |                            |
| Address Type                                                 | Domestic                   |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD     |
| Routing (such as Mail Code, Dept., or Attn:)                 |                            |
| City                                                         | LA PORTE                   |
| State                                                        | TX                         |
| ZIP                                                          | 77571                      |
| Phone (###-###-####)                                         | 7137039696                 |
| Extension                                                    |                            |
| Alternate Phone (###-###-####)                               |                            |
| Fax (###-###-####)                                           |                            |
| E-mail                                                       | mark.bookmyer@lyb.com      |

## Technical Contact

Person TCEQ should contact for questions about this application:

|                                                              |                                        |
|--------------------------------------------------------------|----------------------------------------|
| Select existing TC contact or enter a new contact.           | GARRETT ALEXANDER(LYONDELLBASELL ... ) |
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC             |
| Prefix                                                       | MR                                     |
| First                                                        | GARRETT                                |
| Middle                                                       |                                        |
| Last                                                         | ALEXANDER                              |
| Suffix                                                       |                                        |
| Credentials                                                  |                                        |
| Title                                                        | PRINCIPAL ENVIRONMENTAL ENGINEER       |
| Enter new address or copy one from list:                     |                                        |
| Mailing Address                                              |                                        |
| Address Type                                                 | Domestic                               |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD                 |

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

City

LA PORTE

State

TX

ZIP

77571

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

7132097030

Extension

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

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

E-mail

j.garrett.Alexander@lyondellbasell.com

## Title V General Information - Existing

|                                                                                                    |                      |
|----------------------------------------------------------------------------------------------------|----------------------|
| 1) Permit Type:                                                                                    | SOP                  |
| 2) Permit Latitude Coordinate:                                                                     | 29 Deg 42 Min 18 Sec |
| 3) Permit Longitude Coordinate:                                                                    | 95 Deg 3 Min 19 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.                     | 2290-37697           |
| 5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements? | N/A                  |

## 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)

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=288258&gt;OP-SUMR.pdf&lt;/a&gt;

Hash

5951253B7216CA74E42CE1C48AE52DC474847C97752154BC40FBB4D23F656952

MIME-Type

application/pdf

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.

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 Mark R Bookmyer, the owner of the STEERS account ER071191.
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 2290.
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: Mark R Bookmyer OWNER OPERATOR

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Account Number:                      | ER071191                                                          |
| Signature IP Address:                | 12.226.105.69                                                     |
| Signature Date:                      | 2025-10-14                                                        |
| Signature Hash:                      | A5654F030535D19B8DAFF7CC67672A7176FAE35FCE8058E0BF203525D74B46A6  |
| Form Hash Code at time of Signature: | 4017C94C9CCE8833257784858AD7C82350DDA34B1452BBDC A04FA9CDFD2DEC70 |

## Submission

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Reference Number:    | The application reference number is 825949                  |
| Submitted by:        | The application was submitted by ER071191/Mark R Bookmyer   |
| Submitted Timestamp: | The application was submitted on 2025-10-14 at 14:03:57 CDT |
| Submitted From:      | The application was submitted from IP address 12.226.105.69 |
| Confirmation Number: | The confirmation number is 685006                           |
| Steers Version:      | The STEERS version is 6.93                                  |
| Permit Number:       | The permit number is 2290                                   |

## Additional Information

Application Creator: This account was created by Garrett Alexander

**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. |                                                                       |                                        |
|-----------------|---------------------------|---------------------|------------------------------|------------------------------------------------------|----------------------|-----------------------------------------------------------------------|----------------------------------------|
| 10/14/2025      |                           | O-2990              |                              |                                                      | 100217207            |                                                                       |                                        |
| 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 |
|                 | 3                         | SGCT                | OP-UA13                      | Cooling Tower System                                 |                      | 4773A                                                                 | <b>PSDTX1606</b>                       |
|                 | 5                         | MEOHFUG             | OP-SUMR                      | Methanol Unit Plantwide Fugitives                    |                      | 40938                                                                 |                                        |
|                 | 1                         | SGFUG1C3C           | OP-PBRSUP                    | Syngas Process and Propylene Refrigeration Fugitives |                      | 106.261/11/01/2003[172431]                                            |                                        |
|                 | 1                         | SG21-1-1            | OP-PBRSUP                    | High Pressure Flare                                  |                      | 106.261/11/01/2003[173440]                                            |                                        |
|                 | 1                         | POXNH3FLARE         | OP-PBRSUP                    | POX Wastewater Ammonia Flare                         |                      | 106.261/11/01/2003[175042,179815]                                     |                                        |
|                 | 1                         | SG20-3-2            | OP-PBRSUP                    | Cold Flare                                           |                      | 106.261/11/01/2003[175426]                                            |                                        |
|                 | 1                         | SG20-2-2            | OP-PBRSUP                    | Acid Gas Flare                                       |                      | 106.261/11/01/2003[178931]                                            |                                        |
|                 | 1                         | SG810-22-1          | OP-PBRSUP                    | Equalization Tank and Diversion Tank                 |                      | 106.261/11/01/2003[179815]                                            |                                        |
|                 | 1                         | SG810-29            | OP-PBRSUP                    | Mid Basin                                            |                      | 106.261/11/01/2003[179815]                                            |                                        |

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Alexander, J. Garrett <J.Garrett.Alexander@lyondellbasell.com>

**Sent:** Tuesday, October 14, 2025 10:23 AM

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

**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good morning, Liam. My Site Manager needs to sign this submittal. Can you give me to the end of the day to have it submitted?

Regards,



**Garrett Alexander**

Principal Environmental Engineer

[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)

O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**

1515 Miller Cut Off Rd.

La Porte, Texas 77571

[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Monday, October 13, 2025 4:05 PM

**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Afternoon Alexander,



Thank you for your call this morning. On the call, we discussed the deficiency item listed below in the email dated October 9, 2025. On Form OP-REQ1, page 88, PBR 106.261's effective date was updated to 11/01/2003 . All units with this Preconstruction Authorization (PCA) must be updated on form OP-SUMR to the updated effective date using the format 106.XXX/MM/DD/YYYY[rrrr].

Please let me know if you have any questions. Please submit the updated Form OP-SUMR through STEERS by noon on **10/14/2025**.

Thank you for your cooperation in this matter.

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](mailto: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](http://www.tceq.texas.gov/customersurvey)

---

**From:** Liam Lin

**Sent:** Thursday, October 9, 2025 8:18 AM

**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good Afternoon Garrett,

There is an issue with the application which is listed below.

1. Form OP-SUMR - On the updated Form OP-PBRSUP, Table A, dated 09/29/2025, you updated PBR 106.261's effective date to 11/01/2003 for the 8 emission units

listed. Please update the preconstruction authorization column on Form OP-SUMR to reflect this change plus add the PBR registration numbers. The formatting to follow for the PBR registration numbers is found on page 4 of the [OP-SUM Instructions](#).

Please submit the updated form along with the previously requested form OP-REQ1 page 88 through STEERS by Close of Business on **October 13, 2025**.

Thank you for your cooperation in this matter.

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](mailto: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](http://www.tceq.texas.gov/customersurvey)

---

**From:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Sent:** Wednesday, October 8, 2025 8:16 AM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good morning, Liam,

I was out on vacation and just returned today so I didn't get this request before the deadline. May I have an extension to get this to you by the end of the day on Monday, October 13th?

Thank you,

## Texas Commission on Environmental Quality

Title V Existing

2290

### Site Information (Regulated Entity)

|                                                       |                       |
|-------------------------------------------------------|-----------------------|
| What is the name of the permit area to be authorized? | LYONDELLBASELL SYNGAS |
| Does the site have a physical address?                | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603 STRANG RD       |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.705                |
| Longitude (W) (-###.#####)                            | 95.055277             |
| Primary SIC Code                                      | 2813                  |
| Secondary SIC Code                                    |                       |
| Primary NAICS Code                                    | 325120                |
| Secondary NAICS Code                                  |                       |
| Regulated Entity Site Information                     |                       |
| What is the Regulated Entity's Number (RN)?           | RN100217207           |
| What is the name of the Regulated Entity (RE)?        | LYONDELLBASELL SYNGAS |
| Does the RE site have a physical address?             | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603B STRANG RD      |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.706388             |
| Longitude (W) (-###.#####)                            | -95.056111            |
| Facility NAICS Code                                   |                       |
| What is the primary business of this entity?          | SYNGAS PLANT          |

### Customer (Applicant) Information

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| How is this applicant associated with this site? | Owner Operator              |
| What is the applicant's Customer Number (CN)?    | CN603674862                 |
| Type of Customer                                 | Corporation                 |
| Full legal name of the applicant:                |                             |
| Legal Name                                       | LyondellBasell Acetyls, LLC |
| Texas SOS Filing Number                          | 801196716                   |
| Federal Tax ID                                   | 271191233                   |
| State Franchise Tax ID                           | 12711912332                 |
| State Sales Tax ID                               |                             |

|                                   |           |
|-----------------------------------|-----------|
| Local Tax ID                      |           |
| DUNS Number                       | 957636194 |
| Number of Employees               | 501+      |
| Independently Owned and Operated? | No        |

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

|                                                              |                            |
|--------------------------------------------------------------|----------------------------|
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC |
| Prefix                                                       | MR                         |
| First                                                        | MARK                       |
| Middle                                                       |                            |
| Last                                                         | BOOKMYER                   |
| Suffix                                                       |                            |
| Credentials                                                  |                            |
| Title                                                        | SITE MANAGER               |
| Enter new address or copy one from list:                     |                            |
| Mailing Address                                              |                            |
| Address Type                                                 | Domestic                   |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD     |
| Routing (such as Mail Code, Dept., or Attn:)                 |                            |
| City                                                         | LA PORTE                   |
| State                                                        | TX                         |
| ZIP                                                          | 77571                      |
| Phone (###-###-####)                                         | 7137039696                 |
| Extension                                                    |                            |
| Alternate Phone (###-###-####)                               |                            |
| Fax (###-###-####)                                           |                            |
| E-mail                                                       | mark.bookmyer@lyb.com      |

## Technical Contact

Person TCEQ should contact for questions about this application:

|                                                              |                                        |
|--------------------------------------------------------------|----------------------------------------|
| Select existing TC contact or enter a new contact.           | GARRETT ALEXANDER(LYONDELLBASELL ... ) |
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC             |
| Prefix                                                       | MR                                     |
| First                                                        | GARRETT                                |
| Middle                                                       |                                        |
| Last                                                         | ALEXANDER                              |
| Suffix                                                       |                                        |
| Credentials                                                  |                                        |
| Title                                                        | PRINCIPAL ENVIRONMENTAL ENGINEER       |
| Enter new address or copy one from list:                     |                                        |
| Mailing Address                                              |                                        |
| Address Type                                                 | Domestic                               |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD                 |

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

City

LA PORTE

State

TX

ZIP

77571

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

7132097030

Extension

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

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

E-mail

j.garrett.Alexander@lyondellbasell.com

## Title V General Information - Existing

|                                                                                                    |                      |
|----------------------------------------------------------------------------------------------------|----------------------|
| 1) Permit Type:                                                                                    | SOP                  |
| 2) Permit Latitude Coordinate:                                                                     | 29 Deg 42 Min 18 Sec |
| 3) Permit Longitude Coordinate:                                                                    | 95 Deg 3 Min 19 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.                     | 2290-37697           |
| 5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements? | N/A                  |

## Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

[File Properties]

File Name

[OP-REQ1 - Page 88.pdf](/ePermitsExternal/faces/file?fileId=287969)

Hash

FF75EAEF14534DABF386E9C5A975669D209AB0E1492E1D4DF198E63CDE2D8FE6

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

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

## Certification

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

1. I am Mark R Bookmyer, the owner of the STEERS account ER071191.
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 2290.
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: Mark R Bookmyer OWNER OPERATOR

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| Account Number:                      | ER071191                                                         |
| Signature IP Address:                | 50.148.8.221                                                     |
| Signature Date:                      | 2025-10-13                                                       |
| Signature Hash:                      | A5654F030535D19B8DAFF7CC67672A7176FAE35FCE8058E0BF203525D74B46A6 |
| Form Hash Code at time of Signature: | 03690FC86ECC87D6C05B3FCA6F3EFD2D4BDFF42B90C57FD1254CD69839601238 |

## Submission

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Reference Number:    | The application reference number is 825545                  |
| Submitted by:        | The application was submitted by ER071191/Mark R Bookmyer   |
| Submitted Timestamp: | The application was submitted on 2025-10-13 at 12:15:18 CDT |
| Submitted From:      | The application was submitted from IP address 50.148.8.221  |
| Confirmation Number: | The confirmation number is 684690                           |
| Steers Version:      | The STEERS version is 6.93                                  |
| Permit Number:       | The permit number is 2290                                   |

## Additional Information

Application Creator: This account was created by Garrett Alexander

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

|             |             |
|-------------|-------------|
| Date:       | 09/29/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                   |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Form OP-REQ1: Page 88</b>                                                                                                                                                      |                              |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                           |                              |
| ◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                         |                              |
| <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.: 106.263                                                                                                                                                                  | Version No./Date: 11/1/2001  |
| PBR No.: 106.264                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.472                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.473                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.511                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.373                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| ◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>                                                                                     |                              |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |





**Garrett Alexander**

Principal Environmental Engineer

[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)

O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**

1515 Miller Cut Off Rd.

La Porte, Texas 77571

[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Friday, October 3, 2025 9:53 AM

**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Morning Garrett,

There is an issue with the application which is listed below.

- Form OP-REQ1 Page 88-
  - PBR No. 106.122 and 106.102 are considered insignificant ([de minimis](#)) sources and should not appear on OP-REQ1 page 88. Please submit an updated page 88 removing these PBRs.

Please submit the updated form through STEERS by noon on **October 7, 2025**. Please notify me 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Sent:** Monday, September 29, 2025 1:36 PM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Hi Liam,

The requested information has been submitted via STEERS. Please let me know if you need anything else.

Regards,



**Garrett Alexander**

Principal Environmental Engineer

[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)

O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**

1515 Miller Cut Off Rd.

La Porte, Texas 77571

[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Wednesday, September 17, 2025 2:03 PM

**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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the sender.

Good afternoon Garrett,

I am approving your request for extension to Noon on **September 30, 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>

**Sent:** Wednesday, September 17, 2025 1:57 PM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Hi Liam,

LYB requests an extension until 9/30 to submit the requested information. I had to schedule a meeting with the R.O. to certify the updates. Please let me know if this is acceptable.

Regards,



**Garrett Alexander**  
Principal Environmental Engineer  
[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)  
O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.  
La Porte, Texas 77571  
[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Monday, September 15, 2025 2:34 PM  
**To:** Alexander, J. Garrett <[j.garrett.alexander@lyondellbasell.com](mailto:j.garrett.alexander@lyondellbasell.com)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Afternoon Garrett,

There are a few updates required for the application which are listed below.

**1. Form OP-PBRSUP, OP-SUMR and OP-REQ1**

- a. PBR 106.261 - You listed the effective date as 09/04/2000, however, all registration dates listed for this PBR were issued after 2003. The correct effective date is 11/01/2003. Please update form OP-PBRSUP and OP-REQ1 Page 88.
  - b. Unit ID. MEOHFUG – According to our database, registration 131521 (106.261, MEOHFUG) was voided and rolled into NSR 40938 in a 11/20/2023 renew/amendment. Registration 131521 (106.261, MEOHFUG) is no longer valid. Please update the Preconstruction Authorizations (PCA) column for this unit on form OP-SUMR and update form OP-PBRSUP.
  - c. OP-PBRSUP- When submitting an updated OP-PBRSUP, please submit it as a set including all Tables A,B,C and D with the same, updated submittal date.
- 2. COR** – At this time, I would like to ask you to submit and certify all correspondence and updates for this project through STEERS.

Please submit the updated forms via STEERS by Noon on **September 18, 2025**. Please notify me via 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](mailto:Liam.Lin@tceq.texas.gov)

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



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---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>  
**Sent:** Wednesday, July 23, 2025 10:27 AM  
**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Liam,

Attached is the updated PBRSUP.

As for the process description, the process description provided covers the operation for the facility/processes that are included in the Title V permit. I have just pared it down to avoid having confidential information on the application. O-2290 only covers the synthesis gas and methanol unit. O-1375 covers the acetyls unit that is also under the LyondellBassell Acetyls LLC CN. Please let me know if you have any additional questions.

Thanks,

Luigi Compuesto

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Wednesday, July 23, 2025 8:21 AM  
**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Morning Luigi,

Just checking in to see if there are any updates on the request below. 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Liam Lin

**Sent:** Thursday, July 17, 2025 9:40 AM

**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good Afternoon Luigi,

There are a few updates required with the application, which are listed below,

1. Form OP-PBRSUP –

- Unit ID SITE is listed on Table B but not on Table D, please list this Unit on Table D.
- Unit IDs. POXNH3FLARE (Registration No. 179815) , SG810-22-1 and SG810-29 are listed on Table D, however, the units are not listed on Tables A or B.
- Please ensure that all units listed on Tables A or B are listed on Table D, and all units listed on Table D are listed on Tables A or B.

2. Process Description –

- It looks like you submitted an updated process description just for the units addressed in this minor revision. When you submit an updated process description, please include the full process description for the facility.

Please submit the updated forms by noon on **July 21, 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Sent:** Monday, July 14, 2025 11:51 AM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good afternoon Liam,

Attached is the updated Major NSR table and OP-REQ1 pgs 87-88. Please let me know if you have any further questions.

Luigi Compuesto

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Friday, July 11, 2025 2:16 PM

**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Afternoon Mr. Compuesto,

I have included my response to your questions below in red. Please let me know if you have any questions.

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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Sent:** Friday, July 11, 2025 11:40 AM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Hi Liam,

Just a question to verify.

I understand that PSDTX1606 is technically attached to NSR 4773A, but I just wanted to get clarity on why PSDTX1606 permit issuance date is also going to be affected. PSDTX1606 was left unmodified in this application and therefore the issuance date for that permit would technically be the same as when it was initially issued. My understanding is that the issuance date will only be changed if the PSD permit is modified, i.e. PSDTX1606 becomes



PSDTX1606M1.

Since both 4773A and PSDTX16016 have the same Permit Face, MAERT and Conditions, when one of the permits are amended, both issuance dates are automatically updated even if PSDTX16016 was left unmodified.

Similarly, the major NSR summary table would only be affected if PSDTX1606 is modified.

The Major NSR summary table are affected when the MAERT is amended. In the case of the April 2, 2025 amendment, the values have changed for Unit ID. SG21-1-1 for NOx, VOC and CO. The values in the Major NSR summary table must match the MAERT.

Thanks,

Luigi Compuesto

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Friday, July 11, 2025 11:16 AM

**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Morning Mr. Compuesto,

Thank you for your response to the working draft permit. There are a few updates required for your application which are listed below.

1. OP-REQ1 – Page 87
  - According to the Major NSR Summary table and Maximum Allowable Emission Rates Table (MAERT), PSDTX1606 corresponds with NSR Permit No. 4773A. In the latest update, you updated the issuance date for NSR Permit No. 4773A to 04/02/2025 however, you did not update the issuance date for PSDTX1606. Please update the issuance date for PSDTX1606 to 04/02/2025.
2. Major NSR Summary Table
  - Since the 04/02/2025 amendment includes changes to the MAERT, please review the attached Major NSR Summary table and make changes utilizing the track change mode on word. On the top row, please update the issuance date to April 02, 2025.

Please submit the updated form and Major NSR Summary Table by noon on **July 18, 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>  
**Sent:** Friday, July 11, 2025 8:21 AM  
**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good morning Liam,

Okay with the current draft permit attached. Though I have updated pgs. 87-88 of OP-REQ1 as we received the amendment for 4773A and also added a few more sources to the PBR SUP due to issuance of a PBR. They are attached.

Thanks,  
Luigi Compuesto

---

**From:** Compuesto, Luigi J <[luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)>  
**Sent:** Thursday, July 10, 2025 6:36 AM  
**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good morning Liam,

Thanks, let me take a look at this and will circle back to you shortly.

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Sent:** Wednesday, July 9, 2025 4:20 PM

**To:** Compuesto, Luigi J <[luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

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Good Afternoon Mr. Compuesto,

I have conducted a technical review of the revision application for *LyondellBasell Acetyls, LLC, LyondellBasell Syngas*. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have on the working draft permit and the updated form by Close of Business on **July 23, 2025**.

There are a few updates required for your application which are listed below.

1. Form OP-PBRSUP –

- Unit ID. WOLOAD – This unit is listed on Table B however, it is not listed on Table D. Per Form [OP-PBRSUP instructions](#), all units listed on Tables A and B must be listed on Table D.
- Unit ID. OTHER – This is listed on Table D, however it is not listed on Tables A or B. All units listed on Table D must be listed on Tables A or B.
- Please update form OP-PBRSUP as a set including all tables A, B, C and D. Please use the same updated submittal date for all four tables.

2. Major NSR Summary Table –

- Since there are no changes requested for the Major NSR Summary table, the table will be attached to the draft permit when we send it out for Public Notice.

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

Please review the second portion of the “SOP Technical Review Fact Sheet” located at [http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title\\_V/sop\\_wdp\\_factsheet.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf). This guidance contains important information regarding WDP review

and comment procedures.

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

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

Please notify me when these updates have been submitted.

**As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at [R6AirPermitsTX@epa.gov](mailto: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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Liam Lin

**Sent:** Friday, March 28, 2025 4:13 PM

**To:** [luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)

**Subject:** Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Acetyls LLC

Good Afternoon Mr. Compuesto,

I have been assigned to the Federal Operating Permit (FOP) revision application of Permit No. O2290 for LyondellBasell Acetyls, LLC, LyondellBasell Acetyls LLC. This application has been assigned Project No. 37697. 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:

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

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

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

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](mailto: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](#).

**Optional:** Request any information that may have been noted as deficient or out-of-date during a preliminary project review (e.g. OP-1 with current contact data, current OP-REQ1, etc.), and include a deadline.

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](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf). This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

*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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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**From:** [Alexander, J. Garrett](#)  
**To:** [Liam Lin](#)  
**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas  
**Date:** Monday, September 29, 2025 1:36:02 PM  
**Attachments:** [image002.png](#)  
[Outlook-A logo wit.png](#)

---

Hi Liam,

The requested information has been submitted via STEERS. Please let me know if you need anything else.

Regards,



**Garrett Alexander**  
Principal Environmental Engineer  
[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)  
O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.  
La Porte, Texas 77571  
[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Wednesday, September 17, 2025 2:03 PM  
**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good afternoon Garrett,

I am approving your request for extension to Noon on **September 30, 2025**.

Sincerely,

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



**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 |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| SGFUG1C3C   | 172431           | 106.261 | 4/18/2023         |
| SG21-1-1    | 173440           | 106.261 | 08/04/2023        |
| POXNH3FLARE | 175042           | 106.261 | 02/05/2024        |
| SG20-3-2    | 175426           | 106.261 | 03/08/2024        |
| SG20-2-2    | 178931           | 106.261 | 02/04/2025        |
| POXNH3FLARE | 179815           | 106.261 | 04/29/2025        |
| SG810-22-1  | 179815           | 106.261 | 04/29/2025        |
| SG810-29    | 179815           | 106.261 | 04/29/2025        |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001       |
| SITE        | 106.264 | 09/04/2000       |
| 303-54-1    | 106.472 | 09/04/2000       |
| 38-6-1      | 106.472 | 09/04/2000       |
| 71-1-2      | 106.472 | 09/04/2000       |
| 71-13-1     | 106.472 | 09/04/2000       |
| 71-2-1      | 106.472 | 09/04/2000       |
| 7-3-6       | 106.472 | 09/04/2000       |
| SG103-25-1  | 106.472 | 09/04/2000       |
| SG103-25-2  | 106.472 | 09/04/2000       |
| SG103-25-3  | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 810-28-8    | 106.472 | 09/04/2000       |
| ROCGEN      | 106.511 | 09/04/2000       |
| SG41-31-1   | 106.473 | 09/04/2000       |
| SG5-1-1     | 106.472 | 09/04/2000       |
| SG810-27-1  | 106.472 | 09/04/2000       |
| SG811-1-1   | 106.472 | 09/04/2000       |
| SG811-3-1   | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| SG14-10-1   | 106.373 | 09/04/2000       |
| SG121-5-1_2 | 106.373 | 09/04/2000       |
| SG110-13-2  | 106.373 | 09/04/2000       |
| SG13-8-4    | 106.472 | 09/04/2000       |
| WOLOAD      | 106.473 | 09/04/2000       |
| OTHER       | 106.264 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.102 | 09/04/2000       |
| 106.122 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 09/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001                           | Maintain records of all MSS activities and its representative emissions.                                                                                                                                                                                                                                                                                                                                            |
| OTHER       | 106.264 | 09/04/2000                           | Maintain records of the equipment that have been replaced-in-kind.                                                                                                                                                                                                                                                                                                                                                  |
| 303-54-1    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 38-6-1      | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|            |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71-1-2     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-13-1    | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-2-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 7-3-6      | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-1 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-2 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-3 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

**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 |
|-----------|---------------|-------------------------|
| 9/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 810-28-8    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| ROCGEN      | 106.511 | 09/04/2000                           | PBR limits the usage of the engine to at least 10% of the normal operating hours of the primary equipment. Records of the annual operating hours for the engine will be maintained.                                                                                                                                                                                                                                 |
| SITE        | 106.264 | 09/04/2000                           | Records of the equipment replaced are contained in the management of change documentation retained by the site. Additionally, for sources that are emitting, records of the emissions are contained in the emission inventory for the source which is updated monthly.                                                                                                                                              |
| SG41-31-1   | 106.473 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |



|             |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG5-1-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG810-27-1  | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-1-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-3-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SGFUG1C3C   | 106.261 | 172431     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 20 of NSR Permit 4773A.                                                                                                                                                                                                                                          |
| SG14-10-1   | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the refrigeration system operational hours and the amount of refrigerant recharged into the system.                                                                                                                                                                                        |
| SG121-5-1_2 | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |

**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 |
|-----------|---------------|-------------------------|
| 9/29/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG110-13-2  | 106.373 | 09/04/2000                           | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant rechaged into the system.                                                                                                                                                                                                                                        |
| SG13-8-4    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG21-1-1    | 106.261 | 173440                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 175042                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-3-2    | 106.261 | 175426                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-2-2    | 106.261 | 178931                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 179815                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG810-22-1  | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| SG810-29    | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| WOLOAD      | 106.473 | 09/04/2000                           | Records of the loading operations are maintained to ensure that loading rate of the tank trucks do not exceed 20,000 gal/day averaged over any consecutive 30-day period, and tank trucks do not exceed 25,000 gallons. Emissions from the events are tallied to prevent exceeding 25 tpy of emissions.                                                                                                             |

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

|                                                                                                                                            |                      |  |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|---------------------------------------------------------------------|
| Date:                                                                                                                                      | September 29, 2025   |  |                                                                     |
| Permit No.:                                                                                                                                | O-2990               |  |                                                                     |
| Regulated Entity No.:                                                                                                                      | 100217207            |  |                                                                     |
| Company / Area Name:                                                                                                                       | LyondelBasell Syngas |  |                                                                     |
| <b>For Submissions to EPA</b>                                                                                                              |                      |  |                                                                     |
| Has a copy of this application been submitted (or is being submitted) to EPA?                                                              |                      |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>I. Application Type</b>                                                                                                                 |                      |  |                                                                     |
| Indicate the type of application:                                                                                                          |                      |  |                                                                     |
| <input type="checkbox"/> Renewal                                                                                                           |                      |  |                                                                     |
| <input checked="" type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.) |                      |  |                                                                     |
| <input type="checkbox"/> Significant Revision                                                                                              |                      |  |                                                                     |
| <input type="checkbox"/> Revision Requesting Prior Approval                                                                                |                      |  |                                                                     |
| <input type="checkbox"/> Administrative Revision                                                                                           |                      |  |                                                                     |
| <input type="checkbox"/> Response to Reopening                                                                                             |                      |  |                                                                     |
| <b>II. Qualification Statement</b>                                                                                                         |                      |  |                                                                     |
| For SOP Revisions Only                                                                                                                     |                      |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| For GOP Revisions Only                                                                                                                     |                      |  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|                                                                                                                                                                                                                                   |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------------|------------------------------|
| <b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a change in regulations.)</b>                                                                                     |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:                                                                                                  |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| <input checked="" type="checkbox"/> VOC                                                                                                                                                                                           | <input checked="" type="checkbox"/> NO <sub>x</sub> | <input checked="" type="checkbox"/> SO <sub>2</sub> | <input checked="" type="checkbox"/> PM <sub>10</sub> | <input checked="" type="checkbox"/> CO | <input type="checkbox"/> Pb             | <input checked="" type="checkbox"/> HAPs |                              |
| Other: GHG                                                                                                                                                                                                                        |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| <b>IV. Reference Only Requirements (For reference only)</b>                                                                                                                                                                       |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Has the applicant paid emissions fees for the most recent agency fiscal year(September 1-August 31)?                                                                                                                              |                                                     |                                                     |                                                      |                                        | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO              | <input type="checkbox"/> N/A |
| <b>V. Delinquent Fees and Penalties</b>                                                                                                                                                                                           |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |

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

|                       |                             |
|-----------------------|-----------------------------|
| Date:                 | <b>September 29, 2025</b>   |
| Permit No.:           | <b>O-2990</b>               |
| Regulated Entity No.: | <b>100217207</b>            |
| Company / Area Name:  | <b>LyondelBasell Syngas</b> |

| Using the table below, provide a description of the revision(s). |               |                    |          |                    |                   |                                                                                                 |
|------------------------------------------------------------------|---------------|--------------------|----------|--------------------|-------------------|-------------------------------------------------------------------------------------------------|
| Revision No.                                                     | Revision Code | Unit/Group/Process |          |                    | NSR Authorization | Description of Changes and Provisional Terms and Conditions                                     |
|                                                                  |               | New Unit           | ID No.   | Applicable Form(s) |                   |                                                                                                 |
|                                                                  |               |                    |          |                    |                   |                                                                                                 |
| 1                                                                | MS-A          | No                 | Sitewide | OP-REQ1            | —                 | Update NSR and PBR authorizations as indicated on the OP-REQ1.                                  |
| 2                                                                | MS-C          | No                 | Sitewide | OP-REQ1            | —                 | Add general requirements and terms for 40 CFR 61 Subpart FF - Benzene Waste Operations NESHAPS. |
| 3                                                                | MS-C          | No                 | SGCT     | OP-UA13            | 4773A             | Correct the existing citations for 30 TAC 115 HRVOC for the Syngas cooling tower.               |
| 4                                                                | MS-C          | No                 | Sitewide | OP-PBRSUP          | Various           | Update PBR authorizations and its corresponding monitoring/recordkeeping requirements.          |
| 5                                                                | MS-C          | No                 | MEOHFUG  | OP-SUMR            | 40938             | Removed PBR registration # 131521                                                               |

**Texas Commission on Environmental Quality  
Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR  
Table 1**

| <b>Date</b> | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|-------------|-------------------|-----------------------------|
| 9/29/2025   | O-2990            | 100217207                   |

| <b>Unit/Process<br/>AI</b> | <b>Unit/Process<br/>Revision No.</b> | <b>Unit/Process ID No.</b> | <b>Unit/Process<br/>Applicable<br/>Form</b> | <b>Unit/Process Name/Description</b> | <b>Unit/Process<br/>CAM</b> | <b>Preconstruction Authorizations 30<br/>TAC Chapter 116/ 30 TAC Chapter<br/>106</b> | <b>Preconstruction<br/>Authorizations Title I</b> |
|----------------------------|--------------------------------------|----------------------------|---------------------------------------------|--------------------------------------|-----------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------|
|                            | 3                                    | SGCT                       | OP-UA13                                     | Cooling Tower System                 |                             | 4773A                                                                                | <b>PSDTX1606</b>                                  |
|                            | 5                                    | MEOHFUG                    | OP-SUMR                                     | Methanol Unit Plantwide Fugitives    |                             | 40938                                                                                |                                                   |

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

|             |             |
|-------------|-------------|
| Date:       | 09/29/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                                                                                                                                          |                           |                    |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|----------------|
| <b>Form OP-REQ1: Page 87</b>                                                                                                                                                                                                                                                                             |                           |                    |                |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                                                                                                                                                  |                           |                    |                |
| <b>E. PSD Permits and PSD Major Pollutants</b>                                                                                                                                                                                                                                                           |                           |                    |                |
| PSD Permit No.: PSDTX1606                                                                                                                                                                                                                                                                                | Issuance Date: 04/02/2025 | Pollutant(s): CO   |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| <i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i> |                           |                    |                |
| <b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| <i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>  |                           |                    |                |
| <b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| <b>◆ 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</b>                                                                                                                     |                           |                    |                |
| Authorization No.: 4773A                                                                                                                                                                                                                                                                                 | Issuance Date: 04/02/2025 | Authorization No.: | Issuance Date: |
| Authorization No.: 40938                                                                                                                                                                                                                                                                                 | Issuance Date: 03/06/2024 | 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:       | 09/29/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                   |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Form OP-REQ1: Page 88</b>                                                                                                                                                      |                              |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                           |                              |
| ◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                         |                              |
| <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.: 106.102                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.122                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.261                                                                                                                                                                  | Version No./Date: 11/01/2003 |
| PBR No.: 106.263                                                                                                                                                                  | Version No./Date: 11/1/2001  |
| PBR No.: 106.264                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.472                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.473                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.511                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.: 106.373                                                                                                                                                                  | Version No./Date: 9/4/2000   |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| PBR No.:                                                                                                                                                                          | Version No./Date:            |
| ◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>                                                                                     |                              |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |
| Permit No.:                                                                                                                                                                       | Issuance Date:               |

## Texas Commission on Environmental Quality

Title V Existing

2290

### Site Information (Regulated Entity)

|                                                       |                       |
|-------------------------------------------------------|-----------------------|
| What is the name of the permit area to be authorized? | LYONDELLBASELL SYNGAS |
| Does the site have a physical address?                | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603 STRANG RD       |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.705                |
| Longitude (W) (-###.#####)                            | 95.055277             |
| Primary SIC Code                                      | 2813                  |
| Secondary SIC Code                                    |                       |
| Primary NAICS Code                                    | 325120                |
| Secondary NAICS Code                                  |                       |
| Regulated Entity Site Information                     |                       |
| What is the Regulated Entity's Number (RN)?           | RN100217207           |
| What is the name of the Regulated Entity (RE)?        | LYONDELLBASELL SYNGAS |
| Does the RE site have a physical address?             | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603B STRANG RD      |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.706388             |
| Longitude (W) (-###.#####)                            | -95.056111            |
| Facility NAICS Code                                   |                       |
| What is the primary business of this entity?          | SYNGAS PLANT          |

### Customer (Applicant) Information

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| How is this applicant associated with this site? | Owner Operator              |
| What is the applicant's Customer Number (CN)?    | CN603674862                 |
| Type of Customer                                 | Corporation                 |
| Full legal name of the applicant:                |                             |
| Legal Name                                       | LyondellBasell Acetyls, LLC |
| Texas SOS Filing Number                          | 801196716                   |
| Federal Tax ID                                   | 271191233                   |
| State Franchise Tax ID                           | 12711912332                 |
| State Sales Tax ID                               |                             |

|                                   |           |
|-----------------------------------|-----------|
| Local Tax ID                      |           |
| DUNS Number                       | 957636194 |
| Number of Employees               | 501+      |
| Independently Owned and Operated? | No        |

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

|                                                              |                            |
|--------------------------------------------------------------|----------------------------|
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC |
| Prefix                                                       | MR                         |
| First                                                        | MARK                       |
| Middle                                                       |                            |
| Last                                                         | BOOKMYER                   |
| Suffix                                                       |                            |
| Credentials                                                  |                            |
| Title                                                        | SITE MANAGER               |
| Enter new address or copy one from list:                     |                            |
| Mailing Address                                              |                            |
| Address Type                                                 | Domestic                   |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD     |
| Routing (such as Mail Code, Dept., or Attn:)                 |                            |
| City                                                         | LA PORTE                   |
| State                                                        | TX                         |
| ZIP                                                          | 77571                      |
| Phone (###-###-####)                                         | 7137039696                 |
| Extension                                                    |                            |
| Alternate Phone (###-###-####)                               |                            |
| Fax (###-###-####)                                           |                            |
| E-mail                                                       | mark.bookmyer@lyb.com      |

## Technical Contact

Person TCEQ should contact for questions about this application:

|                                                              |                                        |
|--------------------------------------------------------------|----------------------------------------|
| Select existing TC contact or enter a new contact.           | GARRETT ALEXANDER(LYONDELLBASELL ... ) |
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC             |
| Prefix                                                       | MR                                     |
| First                                                        | GARRETT                                |
| Middle                                                       |                                        |
| Last                                                         | ALEXANDER                              |
| Suffix                                                       |                                        |
| Credentials                                                  |                                        |
| Title                                                        | PRINCIPAL ENVIRONMENTAL ENGINEER       |
| Enter new address or copy one from list:                     |                                        |
| Mailing Address                                              |                                        |
| Address Type                                                 | Domestic                               |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD                 |

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

City

LA PORTE

State

TX

ZIP

77571

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

7132097030

Extension

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

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

E-mail

j.garrett.Alexander@lyondellbasell.com

## Title V General Information - Existing

|                                                                                                    |                      |
|----------------------------------------------------------------------------------------------------|----------------------|
| 1) Permit Type:                                                                                    | SOP                  |
| 2) Permit Latitude Coordinate:                                                                     | 29 Deg 42 Min 18 Sec |
| 3) Permit Longitude Coordinate:                                                                    | 95 Deg 3 Min 19 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.                     | 2290-37697           |
| 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)

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=285152&gt;OP-2.pdf&lt;/a&gt;

Hash

D2EBF64CD6CB058800F40A46000148A8D7142744C483A2F0E65B8374B94DF1FE

MIME-Type

application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=285156&gt;OP-REQ1.pdf&lt;/a&gt;

Hash

317170ABB0153325F34C2B4482FC710AA20142C415F464D54DE22ACF15F72DF2

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=285153&gt;OP-PBRSUP.pdf&lt;/a&gt;

Hash

EACEE4DF5FB534AFBAEF2646FB055F5D7669DEF3DAF4DBC77C118E52CA4F2964

MIME-Type

application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=285154&gt;OP-SUMR.pdf&lt;/a&gt;

Hash

4DA8F3744E23D1BB05D79E0B67B5A0BB9F6C097CEC341A4F4785782EDF8ECAEA

MIME-Type

application/pdf

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

&lt;a href=/ePermitsExternal/faces/file?fileId=285155&gt;20250723\_Project Correspondence.pdf&lt;/a&gt;

Hash

5498FB80D5F54A7BEA2CE2E9B4C924446FCC98F61ADB925AB0E13663343BB9E6

MIME-Type

application/pdf

[File Properties]

File Name

&lt;a href=/ePermitsExternal/faces/file?fileId=285157&gt;RE\_Technical Review -- FOP O2290\_Proje...ngas - Alexander J.pdf&lt;/a&gt;

Hash

DA5B7A38CDCDCB634F6F537ECE17AAE405474EE880BA00E2F92B9E892E138AC7

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 Mark R Bookmyer, the owner of the STEERS account ER071191.
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 2290.
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: Mark R Bookmyer OWNER OPERATOR

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| Account Number:                      | ER071191                                                         |
| Signature IP Address:                | 12.226.105.69                                                    |
| Signature Date:                      | 2025-09-29                                                       |
| Signature Hash:                      | A5654F030535D19B8DAFF7CC67672A7176FAE35FCE8058E0BF203525D74B46A6 |
| Form Hash Code at time of Signature: | 80B0714AAE9DB5049DAD8ABA0DB548D15E367B34D62E1F10944D7023E40F7C9D |

## Submission

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Reference Number:    | The application reference number is 820983                     |
| Submitted by:        | The application was submitted by<br>ER071191/Mark R Bookmyer   |
| Submitted Timestamp: | The application was submitted on 2025-09-29<br>at 13:33:13 CDT |
| Submitted From:      | The application was submitted from IP address<br>12.226.105.69 |
| Confirmation Number: | The confirmation number is 681353                              |
| Steers Version:      | The STEERS version is 6.92                                     |
| Permit Number:       | The permit number is 2290                                      |

## Additional Information

Application Creator: This account was created by Garrett Alexander

Austin, TX 78711-3087  
[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)

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



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---

**From:** Alexander, J. Garrett <J.Garrett.Alexander@lyondellbasell.com>  
**Sent:** Wednesday, September 17, 2025 1:57 PM  
**To:** Liam Lin <Liam.Lin@tceq.texas.gov>  
**Subject:** Re: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Hi Liam,

LYB requests an extension until 9/30 to submit the requested information. I had to schedule a meeting with the R.O. to certify the updates. Please let me know if this is acceptable.

Regards,



**Garrett Alexander**  
Principal Environmental Engineer  
[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)  
O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.  
La Porte, Texas 77571  
[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Monday, September 15, 2025 2:34 PM  
**To:** Alexander, J. Garrett <[j.garrett.alexander@lyondellbasell.com](mailto:j.garrett.alexander@lyondellbasell.com)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls,

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Good Afternoon Garrett,

There are a few updates required for the application which are listed below.

**1. Form OP-PBRSUP, OP-SUMR and OP-REQ1**

- a. PBR 106.261 - You listed the effective date as 09/04/2000, however, all registration dates listed for this PBR were issued after 2003. The correct effective date is 11/01/2003. Please update form OP-PBRSUP and OP-REQ1 Page 88.
- b. Unit ID. MEOHFUG – According to our database, registration 131521 (106.261, MEOHFUG) was voided and rolled into NSR 40938 in a 11/20/2023 renew/amendment. Registration 131521 (106.261, MEOHFUG) is no longer valid. Please update the Preconstruction Authorizations (PCA) column for this unit on form OP-SUMR and update form OP-PBRSUP.
- c. OP-PBRSUP- When submitting an updated OP-PBRSUP, please submit it as a set including all Tables A,B,C and D with the same, updated submittal date.

**2. COR – At this time, I would like to ask you to submit and certify all correspondence and updates for this project through STEERS.**

Please submit the updated forms via STEERS by Noon on **September 18, 2025.** Please notify me via 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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**From:** [Alexander, J. Garrett](#)  
**To:** [Liam Lin](#)  
**Cc:** [Compuesto, Luigi J](#); [Buchholz, Brittany J](#)  
**Subject:** Re: O2290 Minor Revision  
**Date:** Monday, September 15, 2025 1:18:14 PM  
**Attachments:** [image003.png](#)  
[Outlook-A logo wit.png](#)

---

Hi Liam,

I have taken this project over from Luigi so I will be the primary contact moving forward. Brittany is still involved so please continue to CC her. Thank you for the update!

Regards,



**Garrett Alexander**  
Principal Environmental Engineer  
[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)  
O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.  
La Porte, Texas 77571  
[www.lyondellbasell.com](http://www.lyondellbasell.com)

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Monday, September 15, 2025 1:14 PM  
**To:** Alexander, J. Garrett <[J.Garrett.Alexander@lyondellbasell.com](mailto:J.Garrett.Alexander@lyondellbasell.com)>  
**Cc:** Compuesto, Luigi J <[luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)>; Buchholz, Brittany J <[brittany.buchholz@lyondellbasell.com](mailto:brittany.buchholz@lyondellbasell.com)>  
**Subject:** RE: O2290 Minor Revision

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Afternoon Alexander,

I am currently doing a final review of the project and preparing it for our internal management review. There are a few updates that are still required, I am compiling a list of deficiencies and will send it to you soon. I have been working with the technical contact Luigi Compuesto and Brittany J Buchholz throughout this project; would you like me to cc' you on all future communications? 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Alexander, J. Garrett <J.Garrett.Alexander@lyondellbasell.com>

**Sent:** Monday, September 15, 2025 1:07 PM

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

**Subject:** O2290 Minor Revision

Hi Liam,

I'm following up on the status of the minor revision application for O2290 that was submitted on 2/17/2025 (project #37697). What are the next steps?

Regards,



**Garrett Alexander**

Principal Environmental Engineer

[j.garrett.alexander@lyb.com](mailto:j.garrett.alexander@lyb.com)

O: +1 713.209.7030 M: +1 832.738.6461

**LyondellBasell (LYB)**  
1515 Miller Cut Off Rd.

La Porte, Texas 77571

[www.lyondellbasell.com](http://www.lyondellbasell.com)

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**From:** [Compuesto, Luigi J](#)  
**To:** [Liam Lin](#)  
**Cc:** [Buchholz, Brittany J](#)  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas  
**Date:** Wednesday, July 23, 2025 10:27:50 AM  
**Attachments:** [SGM\\_OP-PBR SUP\\_20250723.pdf](#)

---

Liam,

Attached is the updated PBR SUP.

As for the process description, the process description provided covers the operation for the facility/processes that are included in the Title V permit. I have just pared it down to avoid having confidential information on the application. O-2290 only covers the synthesis gas and methanol unit. O-1375 covers the acetyls unit that is also under the LyondellBassell Acetyls LLC CN. Please let me know if you have any additional questions.

Thanks,

Luigi Compuesto

---

**From:** Liam Lin <Liam.Lin@tceq.texas.gov>  
**Sent:** Wednesday, July 23, 2025 8:21 AM  
**To:** Compuesto, Luigi J <Luigi.Compuesto@lyondellbasell.com>  
**Cc:** Buchholz, Brittany J <Brittany.Buchholz@lyondellbasell.com>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Morning Luigi,

Just checking in to see if there are any updates on the request below. 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Liam Lin

**Sent:** Thursday, July 17, 2025 9:40 AM

**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good Afternoon Luigi,

There are a few updates required with the application, which are listed below,

1. Form OP-PBRSUP –

- Unit ID SITE is listed on Table B but not on Table D, please list this Unit on Table D.
- Unit IDs. POXNH3FLARE (Registration No. 179815) , SG810-22-1 and SG810-29 are listed on Table D, however, the units are not listed on Tables A or B.
- Please ensure that all units listed on Tables A or B are listed on Table D, and all units listed on Table D are listed on Tables A or B.

2. Process Description –

- It looks like you submitted an updated process description just for the units addressed in this minor revision. When you submit an updated process description, please include the full process description for the facility.

Please submit the updated forms by noon on **July 21, 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](mailto:Liam.Lin@tceq.texas.gov)

**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 |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| MEOHFUG     | 131521           | 106.261 | 04/01/2019        |
| SGFUG1C3C   | 172431           | 106.261 | 4/18/2023         |
| SG21-1-1    | 173440           | 106.261 | 08/04/2023        |
| POXNH3FLARE | 175042           | 106.261 | 02/05/2024        |
| SG20-3-2    | 175426           | 106.261 | 03/08/2024        |
| SG20-2-2    | 178931           | 106.261 | 02/04/2025        |
| POXNH3FLARE | 179815           | 106.261 | 04/29/2025        |
| SG810-22-1  | 179815           | 106.261 | 04/29/2025        |
| SG810-29    | 179815           | 106.261 | 04/29/2025        |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001       |
| SITE        | 106.264 | 09/04/2000       |
| 303-54-1    | 106.472 | 09/04/2000       |
| 38-6-1      | 106.472 | 09/04/2000       |
| 71-1-2      | 106.472 | 09/04/2000       |
| 71-13-1     | 106.472 | 09/04/2000       |
| 71-2-1      | 106.472 | 09/04/2000       |
| 7-3-6       | 106.472 | 09/04/2000       |
| SG103-25-1  | 106.472 | 09/04/2000       |
| SG103-25-2  | 106.472 | 09/04/2000       |
| SG103-25-3  | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 810-28-8    | 106.472 | 09/04/2000       |
| ROCGEN      | 106.511 | 09/04/2000       |
| SG41-31-1   | 106.473 | 09/04/2000       |
| SG5-1-1     | 106.472 | 09/04/2000       |
| SG810-27-1  | 106.472 | 09/04/2000       |
| SG811-1-1   | 106.472 | 09/04/2000       |
| SG811-3-1   | 106.472 | 09/04/2000       |



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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| SG14-10-1   | 106.373 | 09/04/2000       |
| SG121-5-1_2 | 106.373 | 09/04/2000       |
| SG110-13-2  | 106.373 | 09/04/2000       |
| SG13-8-4    | 106.472 | 09/04/2000       |
| WOLOAD      | 106.473 | 09/04/2000       |
| OTHER       | 106.264 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.102 | 09/04/2000       |
| 106.122 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001                           | Maintain records of all MSS activities and its representative emissions.                                                                                                                                                                                                                                                                                                                                            |
| OTHER       | 106.264 | 09/04/2000                           | Maintain records of the equipment that have been replaced-in-kind.                                                                                                                                                                                                                                                                                                                                                  |
| 303-54-1    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 38-6-1      | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|            |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71-1-2     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-13-1    | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-2-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 7-3-6      | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-1 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-2 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-3 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 810-28-8    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| ROCGEN      | 106.511 | 09/04/2000                           | PBR limits the usage of the engine to at least 10% of the normal operating hours of the primary equipment. Records of the annual operating hours for the engine will be maintained.                                                                                                                                                                                                                                 |
| SITE        | 106.264 | 09/04/2000                           | Records of the equipment replaced are contained in the management of change documentation retained by the site. Additionally, for sources that are emitting, records of the emissions are contained in the emission inventory for the source which is updated monthly.                                                                                                                                              |
| SG41-31-1   | 106.473 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|             |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG5-1-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG810-27-1  | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-1-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-3-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| MEOHFUG     | 106.261 | 131521     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 4 of NSR Permit 40938.                                                                                                                                                                                                                                           |
| SGFUG1C3C   | 106.261 | 172431     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 20 of NSR Permit 4773A.                                                                                                                                                                                                                                          |
| SG14-10-1   | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the refrigeration system operational hours and the amount of refrigerant recharged into the system.                                                                                                                                                                                        |
| SG121-5-1_2 | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/23/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG110-13-2  | 106.373 | 09/04/2000                           | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |
| SG13-8-4    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG21-1-1    | 106.261 | 173440                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 175042                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-3-2    | 106.261 | 175426                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-2-2    | 106.261 | 178931                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 179815                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG810-22-1  | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| SG810-29    | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| WOLOAD      | 106.473 | 09/04/2000                           | Records of the loading operations are maintained to ensure that loading rate of the tank trucks do not exceed 20,000 gal/day averaged over any consecutive 30-day period, and tank trucks do not exceed 25,000 gallons. Emissions from the events are tallied to prevent exceeding 25 tpy of emissions.                                                                                                             |



**From:** [Compuesto, Luigi J](#)  
**To:** [Liam Lin](#)  
**Cc:** [Buchholz, Brittany J](#)  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas  
**Date:** Monday, July 14, 2025 11:51:40 AM  
**Attachments:** [Major NSR Summary Table - SGM\\_20250714.docx](#)  
[OP-REQ1 Updates\\_20250710.pdf](#)

---

Good afternoon Liam,

Attached is the updated Major NSR table and OP-REQ1 pgs 87-88. Please let me know if you have any further questions.

Luigi Compuesto

---

**From:** Liam Lin <Liam.Lin@tceq.texas.gov>  
**Sent:** Friday, July 11, 2025 2:16 PM  
**To:** Compuesto, Luigi J <Luigi.Compuesto@lyondellbasell.com>  
**Cc:** Buchholz, Brittany J <Brittany.Buchholz@lyondellbasell.com>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Afternoon Mr. Compuesto,

I have included my response to your questions below in red. Please let me know if you have any questions.

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](mailto:Liam.Lin@tceq.texas.gov)

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



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

|             |             |
|-------------|-------------|
| Date:       | 07/10/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                                                                                                                                          |                           |                    |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|----------------|
| <b>Form OP-REQ1: Page 87</b>                                                                                                                                                                                                                                                                             |                           |                    |                |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                                                                                                                                                  |                           |                    |                |
| <b>E. PSD Permits and PSD Major Pollutants</b>                                                                                                                                                                                                                                                           |                           |                    |                |
| PSD Permit No.: PSDTX1606                                                                                                                                                                                                                                                                                | Issuance Date: 04/02/2025 | Pollutant(s): CO   |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| <i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i> |                           |                    |                |
| <b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| <i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>  |                           |                    |                |
| <b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| <b>◆ 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</b>                                                                                                                     |                           |                    |                |
| Authorization No.: 4773A                                                                                                                                                                                                                                                                                 | Issuance Date: 04/02/2025 | Authorization No.: | Issuance Date: |
| Authorization No.: 40938                                                                                                                                                                                                                                                                                 | Issuance Date: 03/06/2024 | 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:       | 07/10/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Form OP-REQ1: Page 88</b>                                                                                                                                                      |                             |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                           |                             |
| ◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                         |                             |
| <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.: 106.102                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.122                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.261                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.263                                                                                                                                                                  | Version No./Date: 11/1/2001 |
| PBR No.: 106.264                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.472                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.473                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.511                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.373                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| ◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>                                                                                     |                             |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                                          |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|----------------------------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                                          | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                                          |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
| SGFUG1C3C                           | Syngas Process and Propylene Refrigeration Fugitives (5) | CO                       | 13.78          | 60.35   | 4, 20                                      | 4, 20                                      | 4, 20                                      |
|                                     |                                                          | VOC (10)                 | 2.99           | 13.08   |                                            |                                            |                                            |
|                                     |                                                          | Methanol                 | 1.51           | 6.61    |                                            |                                            |                                            |
| SGCT                                | Cooling Tower                                            | VOC (10)                 | 16.50          | 16.44   | 4, 22, 23                                  | 4, 22, 23                                  | 4                                          |
|                                     |                                                          | PM                       | 1.02           | 4.48    |                                            |                                            |                                            |
|                                     |                                                          | PM <sub>10</sub>         | 0.72           | 3.13    |                                            |                                            |                                            |
|                                     |                                                          | PM <sub>2.5</sub>        | 0.43           | 1.88    |                                            |                                            |                                            |
| SG23-50-1                           | CE Boiler (6)                                            | VOC (11)                 | 3.35           | 7.41    | 3, 4, 5, 6, 25, 26                         | 3, 4, 5, 6, 25                             | 3, 4                                       |
|                                     |                                                          | Methanol                 | 1.85           | 0.86    |                                            |                                            |                                            |
|                                     |                                                          | NO <sub>x</sub>          | 60.80          | 72.96   |                                            |                                            |                                            |
|                                     |                                                          | SO <sub>2</sub>          | 4.08           | 17.87   |                                            |                                            |                                            |
|                                     |                                                          | PM                       | 2.07           | 9.05    |                                            |                                            |                                            |
|                                     |                                                          | PM <sub>10</sub>         | 2.07           | 9.05    |                                            |                                            |                                            |
|                                     |                                                          | PM <sub>2.5</sub>        | 2.07           | 9.05    |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                 |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|-----------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2) | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                 |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     |                 | CO                       | 20.32          | 85.99   |                                            |                                            |                                            |
| SG23-51-1                           | Superheater (6) | VOC (11)                 | 7.36           | 6.08    | 3, 4, 5, 6, 25, 26                         | 3, 4, 5, 6, 25                             | 3, 4                                       |
|                                     |                 | Methanol                 | 6.47           | 3.01    |                                            |                                            |                                            |
|                                     |                 | NO <sub>x</sub>          | 4.13           | 15.46   |                                            |                                            |                                            |
|                                     |                 | SO <sub>2</sub>          | 2.43           | 8.37    |                                            |                                            |                                            |
|                                     |                 | PM                       | 1.23           | 4.24    |                                            |                                            |                                            |
|                                     |                 | PM <sub>10</sub>         | 1.23           | 4.24    |                                            |                                            |                                            |
|                                     |                 | PM <sub>2.5</sub>        | 1.23           | 4.24    |                                            |                                            |                                            |
|                                     |                 | CO                       | 17.18          | 60.40   |                                            |                                            |                                            |
| SG20-2-2                            | Acid Gas Flare  | VOC (11)                 | 3.30           | 0.15    | 4, 5, 19, 21, 24                           | 4, 5, 19, 21, 24                           | 4, 21                                      |
|                                     |                 | Methanol                 | 3.19           | 0.08    |                                            |                                            |                                            |
|                                     |                 | NO <sub>x</sub>          | 7.03           | 1.46    |                                            |                                            |                                            |
|                                     |                 | SO <sub>2</sub>          | 0.28           | 0.18    |                                            |                                            |                                            |
|                                     |                 | CO                       | 299.96         | 52.15   |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                     |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|---------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)     | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                     |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
| SG20-3-2                            | Cold Flare          | NO <sub>x</sub>          | 11.45          | 7.80    | 4, 5, 19, 21, 24                           | 4, 5, 19, 21, 24                           | 4, 21                                      |
|                                     |                     | SO <sub>2</sub>          | 0.68           | 1.39    |                                            |                                            |                                            |
|                                     |                     | CO                       | 490.47         | 99.88   |                                            |                                            |                                            |
|                                     |                     | VOC (10)                 | 1.38           | 2.27    |                                            |                                            |                                            |
|                                     |                     | Methanol                 | 0.72           | 1.45    |                                            |                                            |                                            |
| SG21-1-1                            | High-Pressure Flare | NO <sub>x</sub>          | 89.46          | 24.34   | 4, 5, 19, 21, 24                           | 4, 5, 19, 21, 24                           | 4, 21                                      |
|                                     |                     | SO <sub>2</sub>          | 4.24           | 1.07    |                                            |                                            |                                            |
|                                     |                     | CO                       | 3552.69        | 422.20  |                                            |                                            |                                            |
|                                     |                     | VOC (10)                 | 21.20          | 4.66    |                                            |                                            |                                            |
|                                     |                     | Methanol                 | 1.67           | 2.19    |                                            |                                            |                                            |
| SG810-21-1                          | Neutralization Tank | VOC (11)                 | 0.05           | 0.02    | 28                                         | 28                                         |                                            |
|                                     |                     | Methanol                 | 0.05           | 0.02    |                                            |                                            |                                            |
|                                     |                     | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |
| SG810-22-1                          |                     | VOC (11)                 | 1.52           | 0.28    | 28                                         | 28                                         |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                      |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|--------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                      | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                      |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     | Equalization Tank and Diversion Tank | Methanol                 | 1.52           | 0.28    |                                            |                                            |                                            |
|                                     |                                      | NH <sub>3</sub>          | 0.17           | 0.08    |                                            |                                            |                                            |
| SG810-28                            | West Basin                           | VOC (11)                 | 36.20          | 4.62    | 28                                         | 28                                         |                                            |
|                                     |                                      | Methanol                 | 36.20          | 4.62    |                                            |                                            |                                            |
|                                     |                                      | NH <sub>3</sub>          | 0.16           | 0.08    |                                            |                                            |                                            |
| SG810-29                            | Mid Basin                            | VOC (11)                 | 14.24          | 0.90    | 28, 30                                     | 28, 30                                     |                                            |
|                                     |                                      | Methanol                 | 14.24          | 0.90    |                                            |                                            |                                            |
|                                     |                                      | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |
| SG810-30                            | Aeration Basin                       | VOC (11)                 | 8.09           | 1.31    | 28                                         | 28                                         |                                            |
|                                     |                                      | Methanol                 | 8.09           | 1.31    |                                            |                                            |                                            |
|                                     |                                      | NH <sub>3</sub>          | 0.03           | 0.02    |                                            |                                            |                                            |
| LFTSTN                              | Process Lift Station                 | VOC (11)                 | 0.13           | 0.01    | 28                                         | 28                                         |                                            |
|                                     |                                      | Methanol                 | 0.13           | 0.01    |                                            |                                            |                                            |
|                                     |                                      | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                      |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|----------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)      | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                      |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
| MBR                                 | Membrane Bioreactor  | VOC (11)                 | 1.37           | 0.22    | 30                                         | 30                                         |                                            |
|                                     |                      | Methanol                 | 1.37           | 0.22    |                                            |                                            |                                            |
|                                     |                      | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |
| CWSPIT                              | CWS Divert Pit       | VOC (11)                 | 0.03           | 0.01    | 28, 30                                     | 28, 30                                     |                                            |
|                                     |                      | Methanol                 | 0.03           | 0.01    |                                            |                                            |                                            |
|                                     |                      | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |
| SG5-1-1                             | Wastewater Hold Tank | VOC (11)                 | 0.10           | 0.02    | 28                                         | 28                                         |                                            |
|                                     |                      | Methanol                 | 0.10           | 0.02    |                                            |                                            |                                            |
|                                     |                      | NH <sub>3</sub>          | <0.01          | <0.01   |                                            |                                            |                                            |
| SG5-1-14                            | Carbon Water Tank    | VOC (11)                 | --             | 0.07    | 28                                         | 28                                         |                                            |
|                                     |                      | Methanol                 | --             | 0.07    |                                            |                                            |                                            |
|                                     |                      | NH <sub>3</sub>          | --             | 0.05    |                                            |                                            |                                            |
| SG5-1-17                            | Gray Water Tank      | VOC (11)                 | --             | 0.07    | 28                                         | 28                                         |                                            |
|                                     |                      | Methanol                 | --             | 0.07    |                                            |                                            |                                            |



**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                                  |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|--------------------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                                  | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                                  |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     |                                                  | NH <sub>3</sub>          | --             | 0.05    |                                            |                                            |                                            |
| SG5-1-14,<br>SG5-1-17               | Carbon Water Tank and Gray Water Tank Hourly Cap | VOC (11)                 | 0.88           | --      | 28                                         | 28                                         |                                            |
|                                     |                                                  | Methanol                 | 0.88           | --      |                                            |                                            |                                            |
|                                     |                                                  | NH <sub>3</sub>          | 0.56           | --      |                                            |                                            |                                            |
| SG13-25-1                           | Methanol Storage Tank                            | VOC (11)                 | 0.49           | 0.24    | 4, 6, 9, 27                                | 4, 6, 9, 27                                | 4, 27                                      |
|                                     |                                                  | Methanol                 | 0.49           | 0.24    |                                            |                                            |                                            |
| SG930D                              | Diesel Storage Tank                              | VOC                      | 0.30           | 0.01    |                                            | 27                                         | 27                                         |
| SG930U                              | Gasoline/Diesel Dual Storage Tank                | VOC                      | 8.92           | 0.23    |                                            | 27                                         | 27                                         |
| PW310-50-1                          | Emergency Firewater Pump Engine                  | VOC                      | 1.79           | 0.06    | 3, 4, 31                                   | 3, 4, 31                                   | 3, 4                                       |
|                                     |                                                  | NO <sub>x</sub>          | 18.60          | 0.60    |                                            |                                            |                                            |
|                                     |                                                  | SO <sub>2</sub>          | 1.23           | 0.04    |                                            |                                            |                                            |
|                                     |                                                  | PM                       | 1.32           | 0.04    |                                            |                                            |                                            |
|                                     |                                                  | PM <sub>10</sub>         | 1.32           | 0.04    |                                            |                                            |                                            |
|                                     |                                                  | PM <sub>2.5</sub>        | 1.32           | 0.04    |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                                                        |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|------------------------------------------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                                                        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                                                        |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     |                                                                        | CO                       | 4.01           | 0.13    |                                            |                                            |                                            |
| PW310-50-1.2                        | Diesel Storage Tank                                                    | VOC                      | 0.27           | 0.01    |                                            | 27                                         | 27                                         |
| DEGREASER                           | Cold Solvent Degreaser                                                 | VOC                      | 3.04           | 0.39    | 31                                         | 31                                         |                                            |
| MSS-LINDE                           | Maintenance, Startup and Shutdown Emissions directly to Atmosphere (7) | VOC (10)                 | 60.66          | 4.08    | 6, 7, 8, 12                                | 6, 7, 8, 11, 12, 13, 16, 18                |                                            |
|                                     |                                                                        | Methanol                 | 26.71          | 0.11    |                                            |                                            |                                            |
|                                     |                                                                        | CO                       | 3.72           | 0.19    |                                            |                                            |                                            |
|                                     |                                                                        | NOx                      | 3.03           | 0.29    |                                            |                                            |                                            |
|                                     |                                                                        | PM                       | 5.49           | 0.50    |                                            |                                            |                                            |
|                                     |                                                                        | PM <sub>10</sub>         | 2.97           | 0.44    |                                            |                                            |                                            |
|                                     |                                                                        | PM <sub>2.5</sub>        | 0.48           | 0.06    |                                            |                                            |                                            |
|                                     |                                                                        | SO <sub>2</sub>          | 0.1            | <0.01   |                                            |                                            |                                            |
|                                     |                                                                        | NH <sub>3</sub>          | 0.43           | <0.01   |                                            |                                            |                                            |
| MSS-POX3                            | MSS Emissions Directly to Atmosphere – 3 <sup>rd</sup>                 | VOC (10)                 | 0.06           | 0.01    | 6, 7, 8                                    | 6, 7, 8                                    |                                            |
|                                     |                                                                        | CO                       | 0.97           | 0.09    |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                                                      |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|----------------------------------------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                                                      | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                                                      |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     | POx Reactor Start-ups and Purging                                    | NOx                      | 1.02           | 0.11    |                                            |                                            |                                            |
|                                     |                                                                      | PM                       | 0.08           | 0.01    |                                            |                                            |                                            |
|                                     |                                                                      | PM <sub>10</sub>         | 0.08           | 0.01    |                                            |                                            |                                            |
|                                     |                                                                      | PM <sub>2.5</sub>        | 0.08           | 0.01    |                                            |                                            |                                            |
|                                     |                                                                      | SO <sub>2</sub>          | 0.01           | <0.01   |                                            |                                            |                                            |
| MSS-LNDCNT                          | Maintenance, Startup and Shutdown Emissions to Plant Flares (8)      | VOC (10)                 | -              | 0.47    | 6, 7, 8, 19                                | 6, 7, 8, 19                                |                                            |
|                                     |                                                                      | Methanol                 | -              | 0.24    |                                            |                                            |                                            |
|                                     |                                                                      | CO                       | -              | 237.79  |                                            |                                            |                                            |
|                                     |                                                                      | NO <sub>x</sub>          | -              | 10.76   |                                            |                                            |                                            |
|                                     |                                                                      | SO <sub>2</sub>          | -              | 0.22    |                                            |                                            |                                            |
|                                     |                                                                      | NH <sub>3</sub>          | -              | <0.01   |                                            |                                            |                                            |
| MSS-LNDCNTTEMP                      | Maintenance, Startup and Shutdown Emissions to Temporary Control (9) | VOC (10)                 | -              | 0.52    | 6, 7, 8, 19                                | 6, 7, 8, 19                                |                                            |
|                                     |                                                                      | Methanol                 | -              | 0.02    |                                            |                                            |                                            |
|                                     |                                                                      | CO                       | -              | 0.92    |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                                               |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|---------------------------------------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                                               | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                                               |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     |                                                               | NO <sub>x</sub>          | -              | 0.47    |                                            |                                            |                                            |
|                                     |                                                               | PM                       | 0.06           | 0.03    |                                            |                                            |                                            |
|                                     |                                                               | PM <sub>10</sub>         | 0.06           | 0.03    |                                            |                                            |                                            |
|                                     |                                                               | PM <sub>2.5</sub>        | 0.06           | 0.03    |                                            |                                            |                                            |
|                                     |                                                               | SO <sub>2</sub>          | -              | 0.02    |                                            |                                            |                                            |
|                                     |                                                               | NH <sub>3</sub>          | -              | <0.01   |                                            |                                            |                                            |
| MSS-LNDCNT, MSS-LNDCNTTEMP          | MSS Emissions to Plant Flares or Temporary Control Hourly Cap | VOC (10)                 | 101.81         | -       | 6, 7, 8, 19                                | 6, 7, 8, 19                                |                                            |
|                                     |                                                               | Methanol                 | 56.88          | -       |                                            |                                            |                                            |
|                                     |                                                               | CO                       | 3108.23        | -       |                                            |                                            |                                            |
|                                     |                                                               | NO <sub>x</sub>          | 133.45         | -       |                                            |                                            |                                            |
|                                     |                                                               | SO <sub>2</sub>          | 4.63           | -       |                                            |                                            |                                            |
|                                     |                                                               | NH <sub>3</sub>          | 0.02           | -       |                                            |                                            |                                            |
| SAMPLE                              | In-Situ Sampling and MeOH Sampling                            | VOC (11)                 | <0.01          | <0.01   | 31                                         | 31                                         |                                            |
|                                     |                                                               | Methanol                 | <0.01          | <0.01   |                                            |                                            |                                            |

**Major NSR Summary Table**

| Permit Numbers: 4773A and PSDTX1606 |                                   |                          |                |         | Issuance Date: April 2, 2025               |                                            |                                            |
|-------------------------------------|-----------------------------------|--------------------------|----------------|---------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Emission Point No. (1)              | Source Name (2)                   | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements        | Recordkeeping Requirements                 | Reporting Requirements                     |
|                                     |                                   |                          | lbs/hour       | TPY (4) | Special Conditions/Application Information | Special Conditions/Application Information | Special Conditions/Application Information |
|                                     |                                   | CO                       | 8.64           | 1.58    |                                            |                                            |                                            |
| PRANLZVNT                           | Process Analyzer Vents            | CO                       | 0.39           | 1.69    | 31                                         | 31                                         |                                            |
|                                     |                                   | NOx                      | <0.01          | 0.01    |                                            |                                            |                                            |
| PRPUNLD                             | Propylene Unloading Hose Purge    | VOC (12)                 | 3.53           | 0.01    | 6, 10                                      | 6, 10                                      |                                            |
| POXNH3FLARE                         | Wastewater Ammonia Stripper Flare | VOC (11)                 | 7.39           | 1.50    | 4, 19, 21, 24, 29                          | 4, 19, 21, 24, 29                          | 4, 21                                      |
|                                     |                                   | Methanol                 | 7.38           | 1.47    |                                            |                                            |                                            |
|                                     |                                   | NOx                      | 0.81           | 1.40    |                                            |                                            |                                            |
|                                     |                                   | CO                       | 4.87           | 3.08    |                                            |                                            |                                            |
|                                     |                                   | SO <sub>2</sub>          | 0.03           | 0.06    |                                            |                                            |                                            |
|                                     |                                   | NH <sub>3</sub>          | 0.95           | 4.17    |                                            |                                            |                                            |

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

|                 |   |                 |
|-----------------|---|-----------------|
| CO              | - | carbon monoxide |
| NH <sub>3</sub> |   | ammonia         |
| MeOH            |   | methanol        |

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Includes MSS emissions for the CE Boiler, 36 hrs for 3 events @ 12 hr /event, and for the Superheater, 60 hrs for 3 events @ 20 hrs/event.
- (7) The emission includes 13.95 lb/hr & 1.11 tpy VOC, 0.62 lb/hr & 0.05 tpy PM or PM<sub>10</sub>, and 0.06 lb/hr and 0.005 tpy PM<sub>2.5</sub> of inherently low emitting sources emissions addressed in Appendix A to the Special Conditions, and which should be assumed to be emitted in any hour or 12-month period for which compliance is evaluated for the EPN.
- (8) Control includes the Cold, High Pressure, and Wastewater Ammonia Stripper Flares (EPNs SG20-3-2, SG 21-1-1, and POXNH3FLARE) with emissions accounted separately from the currently authorized emissions for the flares.
- (9) Temporary control devices identified in Appendix C to the Special Conditions.
- (10) Total VOC emission rate includes Methanol and HRVOC's as defined above.
- (11) Total VOC emission rate includes Methanol.
- (12) Total VOC emission rate includes HRVOC's as defined above.

---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>  
**Sent:** Friday, July 11, 2025 11:40 AM  
**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Hi Liam,

Just a question to verify.

I understand that PSDTX1606 is technically attached to NSR 4773A, but I just wanted to get clarity on why PSDTX1606 permit issuance date is also going to be affected. PSDTX1606 was left unmodified in this application and therefore the issuance date for that permit would technically be the same as when it was initially issued. My understanding is that the issuance date will only be changed if the PSD permit is modified, i.e. PSDTX1606 becomes PSDTX1606M1.

Since both 4773A and PSDTX16016 have the same Permit Face, MAERT and Conditions, when one of the permits are amended, both issuance dates are automatically updated even if PSDTX16016 was left unmodified.

Similarly, the major NSR summary table would only be affected if PSDTX1606 is modified.

The Major NSR summary table are affected when the MAERT is amended. In the case of the April 2, 2025 amendment, the values have changed for Unit ID. SG21-1-1 for NOx, VOC and CO. The values in the Major NSR summary table must match the MAERT.

Thanks,

Luigi Compuesto

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Friday, July 11, 2025 11:16 AM  
**To:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Morning Mr. Compuesto,

Thank you for your response to the working draft permit. There are a few updates required for your application which are listed below.

1. OP-REQ1 – Page 87

- According to the Major NSR Summary table and Maximum Allowable Emission Rates Table (MAERT), PSDTX1606 corresponds with NSR Permit No. 4773A. In the latest update, you updated the issuance date for NSR Permit No. 4773A to 04/02/2025 however, you did not update the issuance date for PSDTX1606. Please update the issuance date for PSDTX1606 to 04/02/2025.

2. Major NSR Summary Table

- Since the 04/02/2025 amendment includes changes to the MAERT, please review the attached Major NSR Summary table and make changes utilizing the track change mode on word. On the top row, please update the issuance date to April 02, 2025.

Please submit the updated form and Major NSR Summary Table by noon on **July 18, 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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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---

**From:** Compuesto, Luigi J <[Luigi.Compuesto@lyondellbasell.com](mailto:Luigi.Compuesto@lyondellbasell.com)>

**Sent:** Friday, July 11, 2025 8:21 AM

**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>

**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>

**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas



Good morning Liam,

Okay with the current draft permit attached. Though I have updated pgs. 87-88 of OP-REQ1 as we received the amendment for 4773A and also added a few more sources to the PBR SUP due to issuance of a PBR. They are attached.

Thanks,  
Luigi Compuesto

---

**From:** Compuesto, Luigi J <[luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)>  
**Sent:** Thursday, July 10, 2025 6:36 AM  
**To:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Cc:** Buchholz, Brittany J <[Brittany.Buchholz@lyondellbasell.com](mailto:Brittany.Buchholz@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

Good morning Liam,

Thanks, let me take a look at this and will circle back to you shortly.

---

**From:** Liam Lin <[Liam.Lin@tceq.texas.gov](mailto:Liam.Lin@tceq.texas.gov)>  
**Sent:** Wednesday, July 9, 2025 4:20 PM  
**To:** Compuesto, Luigi J <[luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)>  
**Subject:** RE: Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Syngas

You don't often get email from [liam.lin@tceq.texas.gov](mailto:liam.lin@tceq.texas.gov). [Learn why this is important](#)

This email originated outside LyondellBasell. Do not click on links or open attachments unless you recognize the sender.

Good Afternoon Mr. Compuesto,

I have conducted a technical review of the revision application for *LyondellBasell Acetyls, LLC, LyondellBasell Syngas*. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have on the working draft permit and the updated form by Close of Business on **July 23, 2025**.

There are a few updates required for your application which are listed below.

1. Form OP-PBRSUP –

- Unit ID. WOLOAD – This unit is listed on Table B however, it is not listed on Table D. Per Form [OP-PBRSUP instructions](#), all units listed on Tables A and B must be listed on Table D.
  - Unit ID. OTHER – This is listed on Table D, however it is not listed on Tables A or B. All units listed on Table D must be listed on Tables A or B.
  - Please update form OP-PBRSUP as a set including all tables A, B, C and D. Please use the same updated submittal date for all four tables.
2. Major NSR Summary Table –
- Since there are no changes requested for the Major NSR Summary table, the table will be attached to the draft permit when we send it out for Public Notice.

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

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

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

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

Please notify me when these updates have been submitted.

**As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at [R6AirPermitsTX@epa.gov](mailto: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.

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

|             |             |
|-------------|-------------|
| Date:       | 07/10/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                                                                                                                                          |                           |                    |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|----------------|
| <b>Form OP-REQ1: Page 87</b>                                                                                                                                                                                                                                                                             |                           |                    |                |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                                                                                                                                                  |                           |                    |                |
| <b>E. PSD Permits and PSD Major Pollutants</b>                                                                                                                                                                                                                                                           |                           |                    |                |
| PSD Permit No.: PSDTX1606                                                                                                                                                                                                                                                                                | Issuance Date: 5/25/2023  | Pollutant(s): CO   |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| <i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i> |                           |                    |                |
| <b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| <i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>  |                           |                    |                |
| <b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| <b>◆ 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</b>                                                                                                                     |                           |                    |                |
| Authorization No.: 4773A                                                                                                                                                                                                                                                                                 | Issuance Date: 04/02/2025 | Authorization No.: | Issuance Date: |
| Authorization No.: 40938                                                                                                                                                                                                                                                                                 | Issuance Date: 03/06/2024 | 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:       | 07/10/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Form OP-REQ1: Page 88</b>                                                                                                                                                      |                             |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                           |                             |
| ◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                         |                             |
| <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.: 106.102                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.122                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.261                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.263                                                                                                                                                                  | Version No./Date: 11/1/2001 |
| PBR No.: 106.264                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.472                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.473                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.511                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.373                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| ◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>                                                                                     |                             |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |

**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 |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| MEOHFUG     | 131521           | 106.261 | 04/01/2019        |
| SGFUG1C3C   | 172431           | 106.261 | 4/18/2023         |
| SG21-1-1    | 173440           | 106.261 | 08/04/2023        |
| POXNH3FLARE | 175042           | 106.261 | 02/05/2024        |
| SG20-3-2    | 175426           | 106.261 | 03/08/2024        |
| SG20-2-2    | 178931           | 106.261 | 02/04/2025        |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001       |
| SITE        | 106.264 | 09/04/2000       |
| 303-54-1    | 106.472 | 09/04/2000       |
| 38-6-1      | 106.472 | 09/04/2000       |
| 71-1-2      | 106.472 | 09/04/2000       |
| 71-13-1     | 106.472 | 09/04/2000       |
| 71-2-1      | 106.472 | 09/04/2000       |
| 7-3-6       | 106.472 | 09/04/2000       |
| SG103-25-1  | 106.472 | 09/04/2000       |
| SG103-25-2  | 106.472 | 09/04/2000       |
| SG103-25-3  | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 810-28-8    | 106.472 | 09/04/2000       |
| ROCGEN      | 106.511 | 09/04/2000       |
| SG41-31-1   | 106.473 | 09/04/2000       |
| SG5-1-1     | 106.472 | 09/04/2000       |
| SG810-27-1  | 106.472 | 09/04/2000       |
| SG811-1-1   | 106.472 | 09/04/2000       |
| SG811-3-1   | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| SG14-10-1   | 106.373 | 09/04/2000       |
| SG121-5-1_2 | 106.373 | 09/04/2000       |
| SG110-13-2  | 106.373 | 09/04/2000       |
| SG13-8-4    | 106.472 | 09/04/2000       |
| WOLOAD      | 106.473 | 09/04/2000       |
| OTHER       | 106.264 | 09/04/2000       |



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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.102 | 09/04/2000       |
| 106.122 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001                           | Maintain records of all MSS activities and its representative emissions.                                                                                                                                                                                                                                                                                                                                            |
| OTHER       | 106.264 | 09/04/2000                           | Maintain records of the equipment that have been replaced-in-kind.                                                                                                                                                                                                                                                                                                                                                  |
| 303-54-1    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 38-6-1      | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|            |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71-1-2     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-13-1    | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-2-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 7-3-6      | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-1 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-2 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-3 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 810-28-8    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| ROCGEN      | 106.511 | 09/04/2000                           | PBR limits the usage of the engine to at least 10% of the normal operating hours of the primary equipment. Records of the annual operating hours for the engine will be maintained.                                                                                                                                                                                                                                 |
| SG41-31-1   | 106.473 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|             |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG5-1-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG810-27-1  | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-1-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-3-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| MEOHFUG     | 106.261 | 131521     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 4 of NSR Permit 40938.                                                                                                                                                                                                                                           |
| SGFUG1C3C   | 106.261 | 172431     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 20 of NSR Permit 4773A.                                                                                                                                                                                                                                          |
| SG14-10-1   | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the refrigeration system operational hours and the amount of refrigerant recharged into the system.                                                                                                                                                                                        |
| SG121-5-1_2 | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 07/10/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG110-13-2  | 106.373 | 09/04/2000                           | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |
| SG13-8-4    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG21-1-1    | 106.261 | 173440                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 175042                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-3-2    | 106.261 | 175426                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-2-2    | 106.261 | 178931                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 179815                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG810-22-1  | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| SG810-29    | 106.261 | 179815                               | Wastewater sources are monitored per the requirements of Special Condition 28 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                  |
| WOLOAD      | 106.473 | 09/04/2000                           | Records of the loading operations are maintained to ensure that loading rate of the tank trucks do not exceed 20,000 gal/day averaged over any consecutive 30-day period, and tank trucks do not exceed 25,000 gallons. Emissions from the events are tallied to prevent exceeding 25 tpy of emissions.                                                                                                             |

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](mailto:Liam.Lin@tceq.texas.gov)

Phone: (512) 239-1278

Fax: (512) 239-1400



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**From:** Liam Lin

**Sent:** Friday, March 28, 2025 4:13 PM

**To:** [luigi.compuesto@lyondellbasell.com](mailto:luigi.compuesto@lyondellbasell.com)

**Subject:** Technical Review -- FOP O2290/Project 37697, LyondellBasell Acetyls, LLC/LyondellBasell Acetyls LLC

Good Afternoon Mr. Compuesto,

I have been assigned to the Federal Operating Permit (FOP) revision application of Permit No. O2290 for LyondellBasell Acetyls, LLC, LyondellBasell Acetyls LLC. This application has been assigned Project No. 37697. 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:

- a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
- b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.



- c. High level terms in the SOP Applicable Requirement Summary Table. The high level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
- d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

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

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

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](mailto: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](#).**

***Optional:*** Request any information that may have been noted as deficient or out-of-date during a preliminary project review (e.g. OP-1 with current contact data, current OP-REQ1, etc.), and include a deadline.

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](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf). This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

***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](mailto: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

2290

### Site Information (Regulated Entity)

|                                                       |                       |
|-------------------------------------------------------|-----------------------|
| What is the name of the permit area to be authorized? | LYONDELLBASELL SYNGAS |
| Does the site have a physical address?                | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603 STRANG RD       |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.705                |
| Longitude (W) (-###.#####)                            | 95.055277             |
| Primary SIC Code                                      | 2813                  |
| Secondary SIC Code                                    |                       |
| Primary NAICS Code                                    | 325120                |
| Secondary NAICS Code                                  |                       |
| Regulated Entity Site Information                     |                       |
| What is the Regulated Entity's Number (RN)?           | RN100217207           |
| What is the name of the Regulated Entity (RE)?        | LYONDELLBASELL SYNGAS |
| Does the RE site have a physical address?             | Yes                   |
| Physical Address                                      |                       |
| Number and Street                                     | 11603B STRANG RD      |
| City                                                  | LA PORTE              |
| State                                                 | TX                    |
| ZIP                                                   | 77571                 |
| County                                                | HARRIS                |
| Latitude (N) (##.#####)                               | 29.706388             |
| Longitude (W) (-###.#####)                            | -95.056111            |
| Facility NAICS Code                                   |                       |
| What is the primary business of this entity?          | SYNGAS PLANT          |

### Customer (Applicant) Information

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| How is this applicant associated with this site? | Owner Operator              |
| What is the applicant's Customer Number (CN)?    | CN603674862                 |
| Type of Customer                                 | Corporation                 |
| Full legal name of the applicant:                |                             |
| Legal Name                                       | LyondellBasell Acetyls, LLC |
| Texas SOS Filing Number                          | 801196716                   |
| Federal Tax ID                                   | 271191233                   |
| State Franchise Tax ID                           | 12711912332                 |
| State Sales Tax ID                               |                             |

|                                   |           |
|-----------------------------------|-----------|
| Local Tax ID                      |           |
| DUNS Number                       | 957636194 |
| Number of Employees               | 501+      |
| Independently Owned and Operated? | No        |

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

|                                                              |                        |
|--------------------------------------------------------------|------------------------|
| Organization Name                                            | EQUISTAR CHEMICALS LP  |
| Prefix                                                       | MR                     |
| First                                                        | MARK                   |
| Middle                                                       |                        |
| Last                                                         | BOOKMYER               |
| Suffix                                                       |                        |
| Credentials                                                  |                        |
| Title                                                        | SITE MANAGER           |
| Enter new address or copy one from list:                     |                        |
| Mailing Address                                              |                        |
| Address Type                                                 | Domestic               |
| Mailing Address (include Suite or Bldg. here, if applicable) | 1515 MILLER CUT OFF RD |
| Routing (such as Mail Code, Dept., or Attn:)                 |                        |
| City                                                         | LA PORTE               |
| State                                                        | TX                     |
| ZIP                                                          | 77571                  |
| Phone (###-###-####)                                         | 7137039696             |
| Extension                                                    |                        |
| Alternate Phone (###-###-####)                               |                        |
| Fax (###-###-####)                                           |                        |
| E-mail                                                       | mark.bookmyer@lyb.com  |

## Technical Contact

Person TCEQ should contact for questions about this application:

|                                                              |                                      |
|--------------------------------------------------------------|--------------------------------------|
| Select existing TC contact or enter a new contact.           | LUIGI COMPUESTO(LYONDELLBASELL ... ) |
| Organization Name                                            | LYONDELLBASELL ACETYLS LLC           |
| Prefix                                                       | MR                                   |
| First                                                        | LUIGI                                |
| Middle                                                       |                                      |
| Last                                                         | COMPUESTO                            |
| 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) | 1515 MILLER CUT OFF RD               |

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

City

LA PORTE

State

TX

ZIP

77571

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

7137674370

Extension

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

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

E-mail

luigi.compuesto@lyondellbasell.com

## Title V General Information - Existing

|                                                                                                                           |                      |
|---------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1) Permit Type:                                                                                                           | SOP                  |
| 2) Permit Latitude Coordinate:                                                                                            | 29 Deg 42 Min 18 Sec |
| 3) Permit Longitude Coordinate:                                                                                           | 95 Deg 3 Min 19 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?                                                                 | Streamlined Revision |
| 4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?    | No                   |
| 4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation? | No                   |
| 5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?                        | No                   |

## Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=240845>OP-2\_TBS.pdf

Hash

370FFA1E75D1BC5BFDBAD1E964EB8B3B2CD7EDBD6AA810D66BA52D4F97A20E28

MIME-Type

application/pdf

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

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=240846>OP-REQ1\_TBS.pdf

Hash

1D11A537F612FA1B3BAC6ADFE50156CD6E976F32CAC1E9F93AA1309BA40F2E5D

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=240847>OP-PBR SUP \_TBS.pdf</a>

Hash

509A217ABE2E922A5AEBA22E5068F581AEA4F759E35D9E339D6073EB8EA329E1

MIME-Type

application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=240848>OP-SUMR \_TBS.pdf</a>

Hash

3E8B316320371866C7D119F425F886029D838108E5E61E42E8DF76B4F360209B

MIME-Type

application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=240849>OP-UA13 CT \_TBS.pdf</a>

Hash

2E7CF4462E02D99BCC040E18EE78A05EED4A3D705F3DD8A940ED3A45F1E71F9D

MIME-Type

application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=240850>2025-02 O2290 Revision\_v2.pdf</a>

Hash

9A180DE1639E9A156FE67BF0DC74C50EDD8047F0996F1F9DEE9A611D3A7C9AB3

MIME-Type

application/pdf

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

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?

No

Certification

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

1. I am Mark R Bookmyer, the owner of the STEERS account ER071191.
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 2290.
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: Mark R Bookmyer OWNER OPERATOR

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| Account Number:                      | ER071191                                                         |
| Signature IP Address:                | 50.148.8.221                                                     |
| Signature Date:                      | 2025-02-17                                                       |
| Signature Hash:                      | D40602A54D73B4E6497FA241B64CC6B7664E12C813AF43D5DC37C3AD108FD95F |
| Form Hash Code at time of Signature: | 9480CA4D1DBF63D5CC867E1174C4DB56509E6C1A4364FB7378C5D8941116F2B1 |

## Submission

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Reference Number:    | The application reference number is 758758                     |
| Submitted by:        | The application was submitted by<br>ER071191/Mark R Bookmyer   |
| Submitted Timestamp: | The application was submitted on 2025-02-17<br>at 10:31:47 CST |
| Submitted From:      | The application was submitted from IP address<br>50.148.8.221  |
| Confirmation Number: | The confirmation number is 629990                              |
| Steers Version:      | The STEERS version is 6.87                                     |
| Permit Number:       | The permit number is 2290                                      |

## Additional Information

Application Creator: This account was created by Luigi Compuesto

**LyondellBasell Syngas**

**Title V Minor Revision  
Permit No. O-2290**

**La Porte Complex  
La Porte, Texas**

**February 2025**





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## SECTION 1

# INTRODUCTION

---

### 1.1 Facility Information

LyondellBasell Acetyls, LLC (LyondellBasell) operates the Syngas/Methanol Unit within the La Porte Complex, located in La Porte, Texas. LyondellBasell has been assigned the Customer Number (CN) 603674862 and the Regulated Entity Number (RN) 100217207. The Texas Commission on Environmental Quality (TCEQ) Air Account Number is HX-2334-A.

The La Porte Complex is located at 11603B Strang Road, La Porte, Texas, 77571.

### 1.2 Process Description

LyondellBasell owns and operates the Syngas and Methanol Unit which conducts the following activities:

- Synthesis gas manufacturing;
- Methanol production and distribution.

**Synthesis Gas (Syngas) Unit Process:** Synthesis gas is produced via partial oxidation of hydrocarbon feedstock with oxygen at elevated temperature and pressure in the unit's partial oxidation reactors (POx). Syngas is a mixture of carbon monoxide, carbon dioxide, hydrogen and nitrogen. The syngas mixture generated in the POx is then routed through various purification/separation process that produces primarily carbon monoxide and hydrogen products. Refined syngas is sent to the methanol unit and hydrogen is sent offsite via pipeline to customers.

**Methanol (MeOH) Unit Process:** Methanol is produced in the unit by reacting the syngas produced in the syngas unit in the presence of a catalyst. Crude methanol is then fed through a multi-column refining train which is then fed to various day or product tanks. Off gases from the refining columns are sent back to the syngas unit or are sent to the boiler and superheater. Methanol product is sent offsite via pipeline or barge to customers.

Auxiliary equipment between the Syngas and MeOH Units include a boiler, superheater and wastewater treatment plant.

### 1.3 Purpose of Application

Federal Operating Permit (FOP) O-2290 is requesting the following updates.

- General Applicability and Citations for 40 CFR 61 Subpart FF – Benzene Waste Operations NESHAPS via OP-REQ1.
- Update citations for the Syngas Cooling Tower (SGCT) for Highly Reactive Volatile Organic Compounds (HRVOC) via OP-UA13.
- Updates to the Permit by Rule Supplement Form (OP-PBRSUP)

---

## SECTION 2

# GENERAL AND ADMINISTRATIVE FORMS

---

This submittal includes the following general/administrative forms:

- Application for Permit Revision/Renewal (Form OP-2)
- Individual Unit Summary for Revisions (OP-SUMR)

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

|                                                                                                                                            |                      |  |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|---------------------------------------------------------------------|
| Date:                                                                                                                                      | February 17, 2025    |  |                                                                     |
| Permit No.:                                                                                                                                | O-2990               |  |                                                                     |
| Regulated Entity No.:                                                                                                                      | 100217207            |  |                                                                     |
| Company / Area Name:                                                                                                                       | LyondelBasell Syngas |  |                                                                     |
| <b>For Submissions to EPA</b>                                                                                                              |                      |  |                                                                     |
| Has a copy of this application been submitted (or is being submitted) to EPA?                                                              |                      |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>I. Application Type</b>                                                                                                                 |                      |  |                                                                     |
| Indicate the type of application:                                                                                                          |                      |  |                                                                     |
| <input type="checkbox"/> Renewal                                                                                                           |                      |  |                                                                     |
| <input checked="" type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.) |                      |  |                                                                     |
| <input type="checkbox"/> Significant Revision                                                                                              |                      |  |                                                                     |
| <input type="checkbox"/> Revision Requesting Prior Approval                                                                                |                      |  |                                                                     |
| <input type="checkbox"/> Administrative Revision                                                                                           |                      |  |                                                                     |
| <input type="checkbox"/> Response to Reopening                                                                                             |                      |  |                                                                     |
| <b>II. Qualification Statement</b>                                                                                                         |                      |  |                                                                     |
| For SOP Revisions Only                                                                                                                     |                      |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| For GOP Revisions Only                                                                                                                     |                      |  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|                                                                                                                                                                                                                                   |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------------|------------------------------|
| <b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a change in regulations.)</b>                                                                                     |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:                                                                                                  |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| <input checked="" type="checkbox"/> VOC                                                                                                                                                                                           | <input checked="" type="checkbox"/> NO <sub>x</sub> | <input checked="" type="checkbox"/> SO <sub>2</sub> | <input checked="" type="checkbox"/> PM <sub>10</sub> | <input checked="" type="checkbox"/> CO | <input type="checkbox"/> Pb             | <input checked="" type="checkbox"/> HAPs |                              |
| Other: <b>GHG</b>                                                                                                                                                                                                                 |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| <b>IV. Reference Only Requirements (For reference only)</b>                                                                                                                                                                       |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Has the applicant paid emissions fees for the most recent agency fiscal year (September 1-August 31)?                                                                                                                             |                                                     |                                                     |                                                      |                                        | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO              | <input type="checkbox"/> N/A |
| <b>V. Delinquent Fees and Penalties</b>                                                                                                                                                                                           |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |
| Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. |                                                     |                                                     |                                                      |                                        |                                         |                                          |                              |

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

|                       |                             |
|-----------------------|-----------------------------|
| Date:                 | <b>February 17, 2025</b>    |
| Permit No.:           | <b>O-2990</b>               |
| Regulated Entity No.: | <b>100217207</b>            |
| Company / Area Name:  | <b>LyondelBasell Syngas</b> |

| Using the table below, provide a description of the revision(s). |               |                    |          |                    |                   |                                                                                                 |
|------------------------------------------------------------------|---------------|--------------------|----------|--------------------|-------------------|-------------------------------------------------------------------------------------------------|
| Revision No.                                                     | Revision Code | Unit/Group/Process |          |                    | NSR Authorization | Description of Changes and Provisional Terms and Conditions                                     |
|                                                                  |               | New Unit           | ID No.   | Applicable Form(s) |                   |                                                                                                 |
|                                                                  |               |                    |          |                    |                   |                                                                                                 |
| 1                                                                | MS-A          | No                 | Sitewide | OP-REQ1            | —                 | Update NSR and PBR authorizations as indicated on the OP-REQ1.                                  |
| 2                                                                | MS-C          | No                 | Sitewide | OP-REQ1            | —                 | Add general requirements and terms for 40 CFR 61 Subpart FF - Benzene Waste Operations NESHAPS. |
| 3                                                                | MS-C          | No                 | SGCT     | OP-UA13            | 4773A             | Correct the existing citations for 30 TAC 115 HRVOC for the Syngas cooling tower.               |
| 4                                                                | MS-C          | No                 | Sitewide | OP-PBRSUP          | Various           | Update PBR authorizations and its corresponding monitoring/recordkeeping requirements.          |

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

|                              |                                           |
|------------------------------|-------------------------------------------|
| <b>Date:</b>                 | <b>February 17, 2025</b>                  |
| <b>Permit No.:</b>           | <b>O-2990</b>                             |
| <b>Regulated Entity No.:</b> | <b>100217207</b>                          |
| <b>Company / Area Name:</b>  | <b>La Porte Complex - Syngas and MeOH</b> |

|                                                                                                                                                                                       |                                                                                            |                                         |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|
| <b>I. Significant Revision</b> <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i> |                                                                                            |                                         |                                        |
| <b>A.</b>                                                                                                                                                                             | Is the site subject to bilingual requirements pursuant to 30 TAC §122.322?                 | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO            |
| <b>B.</b>                                                                                                                                                                             | Indicate the alternate languages(s) in which public notice is required:                    | Spanish                                 |                                        |
| <b>C.</b>                                                                                                                                                                             | Will there be a change in air pollutant emissions as a result of the significant revision? | <input type="checkbox"/> YES            | <input checked="" type="checkbox"/> NO |

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. |  |  |  |
|-----------|--|------------|--|----------------------|--|--|--|
| 2/17/2025 |  | O-2990     |  | 100217207            |  |  |  |

| Unit/Process<br>AI | Unit/Process<br>Revision No. | Unit/Process ID No. | Unit/Process<br>Applicable<br>Form | Unit/Process Name/Description | Unit/Process<br>CAM | Preconstruction Authorizations 30<br>TAC Chapter 116/ 30 TAC Chapter<br>106 | Preconstruction<br>Authorizations Title I |
|--------------------|------------------------------|---------------------|------------------------------------|-------------------------------|---------------------|-----------------------------------------------------------------------------|-------------------------------------------|
|                    | 3                            | SGCT                | OP-UA13                            | Cooling Tower System          |                     | 4773A                                                                       | PSDTX1606                                 |



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## **SECTION 3**

# **APPLICABLE REQUIREMENT FORMS**

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This submittal includes the following applicable requirement forms:

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

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

|             |             |
|-------------|-------------|
| Date:       | 02/17/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

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

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

|             |             |
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| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

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

**Texas Commission on Environmental Quality**  
**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1**  
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| RN No.:     | RN100217207 |

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

**Texas Commission on Environmental Quality**  
**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1**  
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|                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form OP-REQ1: Page 4</b>                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>E. Outdoor Burning (continued)</b>                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ◆                                                                                                                       | 5. Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                                                                                            |
| ◆                                                                                                                       | 6. Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                                                                                           |
| ◆                                                                                                                       | 7. The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                                                            |
| <b>II. Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>A. Temporary Fuel Shortage Plan Requirements</b>                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                         | 1. The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                                                          |
| <b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>A. Applicability</b>                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ◆                                                                                                                       | 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.<br><i>See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.</i> <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span> |
| <b>B. Storage of Volatile Organic Compounds</b>                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ◆                                                                                                                       | 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. <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>                                                                                                                     |

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

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

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



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

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| <b>Form OP-REQ1: Page 9</b>                                                                                                                                                                                                                                  |                                                                                                     |
| <b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>                                                                                                                                                  |                                                                                                     |
| <b>H. Control Of Reid Vapor Pressure (RVP) of Gasoline</b>                                                                                                                                                                                                   |                                                                                                     |
| ◆ 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.<br><i>If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input checked="" type="checkbox"/> N/A |
| ◆ 2. The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 3. The application area includes a motor vehicle fuel dispensing facility.                                                                                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 4. The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>I. Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries</b>                                                                                                                                                                       |                                                                                                     |
| 1. The application area is located at a petroleum refinery.                                                                                                                                                                                                  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| <b>J. Surface Coating Processes (Complete this section for GOP applications only.)</b>                                                                                                                                                                       |                                                                                                     |
| ◆ 1. Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A            |

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

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

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

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

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

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| <b>Form OP-REQ1: Page 15</b>                                                                                                                           |                                                                                                                                                                                                                                                                                            |                                                                     |
| <b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)</b>                                                     |                                                                                                                                                                                                                                                                                            |                                                                     |
| <b>F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)</b> |                                                                                                                                                                                                                                                                                            |                                                                     |
| ◆                                                                                                                                                      | 4. The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                                                                                                                      | 5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                                                                                                                                        | 6. The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125.<br><i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                                                                                                                                        | 7. An ACSS for carbon monoxide (CO) has been approved?                                                                                                                                                                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                                                                                                                                        | 8. An ACSS for ammonia (NH <sub>3</sub> ) has been approved?                                                                                                                                                                                                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                                                                                                                                        | 9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.                                                                                                                                                                  |                                                                     |
| <b>G. Utility Electric Generation in East and Central Texas</b>                                                                                        |                                                                                                                                                                                                                                                                                            |                                                                     |
|                                                                                                                                                        | 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.<br><i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|                                                                                                                                                        | 2. The application area is complying with the System Cap in 30 TAC § 117.3020.                                                                                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>H. Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters</b>                                                          |                                                                                                                                                                                                                                                                                            |                                                                     |
|                                                                                                                                                        | 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.<br><i>If the response to question IV.H.1 is "NO," go to Section V.</i>           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|                                                                                                                                                        | 2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.                                                                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO            |



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

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

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

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| <b>Form OP-REQ1: Page 19</b>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |
| <b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>                         |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |
| <b>C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)</b>                  |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |
| ◆                                                                                                                              | 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.                                                                                                                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |
|                                                                                                                                | 1. The application area includes bulk gasoline terminal loading racks.<br><i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i>                                                                                                                                                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> 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.                                                                                                                                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO<sub>2</sub>) Emissions</b> |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |
| ◆                                                                                                                              | 1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore).<br><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>                                                      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| ◆                                                                                                                              | 2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011.<br><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>                                                              | <input type="checkbox"/> YES <input type="checkbox"/> 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.<br><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> | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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| <b>Form OP-REQ1: Page 20</b>                                                                                                               |                                                                                                                                                                                                                                                                                                                                                               |                                                                     |
| <b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>                                     |                                                                                                                                                                                                                                                                                                                                                               |                                                                     |
| <b>E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO<sub>2</sub>) Emissions (continued)</b> |                                                                                                                                                                                                                                                                                                                                                               |                                                                     |
| ◆                                                                                                                                          | <p>4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD.</p> <p><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></p> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆                                                                                                                                          | <p>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.</p>                                                                                                                                                                                              |                                                                     |
| <b>F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants</b>                                                 |                                                                                                                                                                                                                                                                                                                                                               |                                                                     |
|                                                                                                                                            | <p>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.</p> <p><i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i></p>                                                                                                   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|                                                                                                                                            | <p>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.</p>                                                                                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems</b>                              |                                                                                                                                                                                                                                                                                                                                                               |                                                                     |
|                                                                                                                                            | <p>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.</p> <p><i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i></p>                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|                                                                                                                                            | <p>2. The application area includes storm water sewer systems.</p>                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

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| <b>Form OP-REQ1: Page 22</b>                                                                                                                                                                                                                                                                 |                                                                                                     |
| <b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>                                                                                                                                                                                       |                                                                                                     |
| <b>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)</b>                                             |                                                                                                     |
| ◆ 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.<br><i>If the response to Question VI.H.5 is "NO," go to Question VI.H.7.</i>                                                | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 6. All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.                                                                                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 7. The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.                                                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 8. All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.                                                                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>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</b>                                       |                                                                                                     |
| ◆ 1. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator.<br><i>If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| ◆ 2. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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| <b>Form OP-REQ1: Page 23</b>                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                               |                                                                     |
| <b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>                                                                                                                                                             |                                                                                                                                                                                                                                               |                                                                     |
| <b>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)</b> |                                                                                                                                                                                                                                               |                                                                     |
| ◆                                                                                                                                                                                                                                                                  | 3. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                                                                                                                                                                                                                                  | 4. The application area includes at least one air curtain incinerator.<br><i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆                                                                                                                                                                                                                                                                  | 5. The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.<br><i>If the response to Question VI.I.5 is "NO," go to VI.I.7.</i>         | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                                                                                                                                                                                                                                  | 6. All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.                               | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                                                                                                                                                                                                                                  | 7. The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                                                                                                                                                                                                                                  | 8. All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.                         | <input type="checkbox"/> YES <input type="checkbox"/> NO            |



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| <b>Form OP-REQ1: Page 24</b>                                                                                                                                                                                                                                                                                          |                                                                                                     |
| <b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>                                                                                                                                                                                                                |                                                                                                     |
| <b>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</b>                                                                                    |                                                                                                     |
| ◆ 1. The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator.<br><i>If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| ◆ 2. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 3. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 4. The application area includes at least one air curtain incinerator.<br><i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>                                                                                                                                                                    | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| ◆ 5. The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.<br><i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 6. All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.                                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 7. The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.                                                                                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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

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| <b>Form OP-REQ1: Page 26</b>                                                                                                                                                                                                                |                                                                     |
| <b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>                                                                                                             |                                                                     |
| <b>D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants</b>                                                                                                                                 |                                                                     |
| 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).<br><i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 3. The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.                                                                                                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>E. Subpart M - National Emission Standard for Asbestos</b>                                                                                                                                                                               |                                                                     |
| <b><i>Applicability</i></b>                                                                                                                                                                                                                 |                                                                     |
| 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.<br><i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i>                   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <b><i>Roadway Construction</i></b>                                                                                                                                                                                                          |                                                                     |
| 2. The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.                                                                                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b><i>Manufacturing Commercial Asbestos</i></b>                                                                                                                                                                                             |                                                                     |
| 3. The application area includes a manufacturing operation using commercial asbestos.<br><i>If the response to Question VII.E.3 is "NO," go to Question VII.E.4.</i>                                                                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| a. Visible emissions are discharged to outside air from the manufacturing operation                                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

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

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

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

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



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

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| <b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>                                                                                                                                                            |                                                                     |
| <b>H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)</b>                                                                                                                                                                                                 |                                                                     |
| <b>Individual Drain Systems (continued)</b>                                                                                                                                                                                                                                                |                                                                     |
| 22. The application area has individual drain systems complying with 40 CFR § 61.346(b).<br><i>If the response to Question VII.H.22 is "NO," go to Question VII.H.25.</i>                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 23. Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 24. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.                                                                                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>Remediation Activities</b>                                                                                                                                                                                                                                                              |                                                                     |
| 25. Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.                                                                                                                                                                                       | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories</b>                                                                                                                                                 |                                                                     |
| <b>A. Applicability</b>                                                                                                                                                                                                                                                                    |                                                                     |
| ◆ 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.<br><i>See instructions for 40 CFR Part 63 subparts made applicable only by reference.</i> | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry</b>                                                                                                                                          |                                                                     |
| 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).<br><i>If the response to Question VIII.B.1 is "NO," go to Section VIII.D.</i>                                                                                  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 34</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                     |
| <b>B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)</b>                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| 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).<br><i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i>                                                                                                                                                                    | <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.                                                                           | <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.                                                                                                                | <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.<br><i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 35</b>                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                    |                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| <b>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</b> |                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| <b>Applicability</b>                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| 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.<br><i>If the response to Question VIII.C.1 is "NO," go to Section VIII.D.</i> | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 2.                                                                                                                                                                                                                        | The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.                                                                                                                                                                                                                        | The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148.<br><i>If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.</i>                                                                                                                                     | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 4.                                                                                                                                                                                                                        | The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.                                                                                                                                                                                                                                   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 5.                                                                                                                                                                                                                        | The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere.<br><i>If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.</i>                                                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>Vapor Collection and Closed Vent Systems</b>                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                     |
| 6.                                                                                                                                                                                                                        | Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.                                                                                                                                                                                                                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 7.                                                                                                                                                                                                                        | Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 36</b>                                                                                                                                                                                                          |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                |                                                                     |
| <b>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)</b> |                                                                     |
| <b><i>Reloading or Cleaning of Railcars, Tank Trucks, or Barges</i></b>                                                                                                                                                               |                                                                     |
| 8. The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank.<br><i>If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.</i>                 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 9. The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 10. The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.                                                                                                      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b><i>Transfer Racks</i></b>                                                                                                                                                                                                          |                                                                     |
| 11. The application area includes Group 1 transfer racks that load organic HAPs.                                                                                                                                                      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b><i>Process Wastewater Streams</i></b>                                                                                                                                                                                              |                                                                     |
| 12. The application area includes process wastewater streams.<br><i>If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.</i>                                                                                      | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 13. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF.<br><i>If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.</i>                | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 14. The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).                                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 15. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F.<br><i>If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.</i>                 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 37</b>                                                                                                                                                                                                                     |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                           |                                                                     |
| <b>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)</b>            |                                                                     |
| <b><i>Process Wastewater Streams (continued)</i></b>                                                                                                                                                                                             |                                                                     |
| 16. The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 17. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272.<br><i>If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.</i>                         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 18. The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).                                                                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 19. The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).                                                                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 20. The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 21. The application area includes process wastewater streams, located at existing sources that are Group 2.                                                                                                                                      | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 22. The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 23. The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.                                                                                                    | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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

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| <b>Form OP-REQ1: Page 39</b>                                                                                                                                                                                                                                                                          |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                |                                                                     |
| <b>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)</b>                                                                 |                                                                     |
| <b><i>Drains</i></b>                                                                                                                                                                                                                                                                                  |                                                                     |
| 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.<br><i>If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.</i>                                             | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 32. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.                                                                                                                  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 33. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.                                                                                                                                   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 34. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b).<br><i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>            | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 35. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d).<br><i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>     | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 36. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |



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

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| <b>Form OP-REQ1: Page 41</b>                                                                                                                                                                                                                                                   |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                         |                                                                     |
| <b>E. Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities</b>                                                                                                                                                                                          |                                                                     |
| 1. The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials.<br><i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>                                                          | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O.<br><i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 3. The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.                                                                                                                                | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 4. The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>F. Subpart Q - National Emission Standards for Industrial Process Cooling Towers</b>                                                                                                                                                                                        |                                                                     |
| 1. The application area includes industrial process cooling towers.<br><i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>                                                                                                                              | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.                                                                                                                                                                                      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)</b>                                                                                                                                |                                                                     |
| 1. The application area includes a bulk gasoline terminal.                                                                                                                                                                                                                     | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area includes a pipeline breakout station.<br><i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>                                                                                                               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 3. The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station.<br><i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

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| <b>Form OP-REQ1: Page 43</b>                                                                                                                                                                                                                                                                  |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                        |                                                                     |
| <b>H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry</b>                                                                                                                                                                               |                                                                     |
| 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.<br><i>If the response to Question VIII.H.1 is "NO," go to Section VIII.I.</i>                                  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3).<br><i>If the response to Question VIII.H.2 is "NO," go to Section VIII.I.</i>                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 3. The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources.<br><i>If the response to Question VIII.H.3 is "NO," go to Section VIII.I.</i>                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 4. The application area includes one or more kraft pulping systems that are existing sources.                                                                                                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 5. The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.                                                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 6. The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24.<br><i>If the response to Question VIII.H.6 is "NO," go to Section VIII.I.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 7. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).                                                                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 8. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).                                                                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

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

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

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



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| <b>Form OP-REQ1: Page 48</b>                                                                                                                                                                                                         |                                                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                               |                                                                                                     |
| <b>L. Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting</b>                                                                                                                          |                                                                                                     |
| 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.<br><i>If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.</i>      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 2. The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>M. Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations</b>                                                                                                                                          |                                                                                                     |
| 1. The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.                                                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| <b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries</b>                                                                                                                            |                                                                                                     |
| <b>Applicability</b>                                                                                                                                                                                                                 |                                                                                                     |
| 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).<br><i>If the response to Question VIII.N.1 is "NO," go to Section VIII.O.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| 2. All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7).<br><i>If the response to Question VIII.N.2 is "YES," go to Section VIII.O.</i>   | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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

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

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

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| <b>Form OP-REQ1: Page 52</b>                                                                                                                                                                                                                                                                                    |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                          |                                                          |
| <b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)</b>                                                                                                                                                                                                       |                                                          |
| 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.<br><i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 12. VOHAP concentration is determined by direct measurement.                                                                                                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 13. VOHAP concentration is based on knowledge of the off-site material.                                                                                                                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 14. The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system.<br><i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 15. An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.                                                                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.                                                                                                                                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 17. The application area includes containers that manage non-exempt off-site material.                                                                                                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 18. The application area includes individual drain systems that manage non-exempt off-site materials.                                                                                                                                                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 53</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |
| <b>P. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities</b>                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |
| 1. The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components.<br><i>If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.</i>                                                                                                                                                                                                                                                          | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 2. The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>Q. Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.</b>                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |
| ◆ 1. The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| ◆ 2. The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user.<br><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><br><i>For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| ◆ 3. The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761.<br><i>For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.</i><br><i>For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.</i>                                                                                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆ 4. The application area is located at a site that is a major source of HAP.<br><i>If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.</i>                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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| <b>Form OP-REQ1: Page 54</b>                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |
| <b>Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |
| ◆                                                                                                                                                      | <p>5. The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft<sup>3</sup>) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day.</p> <p><i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i></p> <p><i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i></p> <p><i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i></p> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                                                                                                                      | <p>6. The application area includes a triethylene glycol (TEG) dehydration unit.</p> <p><i>For SOP applications, if the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                                                                                                                      | <p>7. The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                                                                                                                      | <p>8. The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                                                                                                                      | <p>9. Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 55</b>                                                                                                                                                                                                                                     |                                                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                           |                                                                                                     |
| <b>R. Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)</b>                                                                                                                                                            |                                                                                                     |
| 1. The application area includes shipbuilding or ship repair operations.<br><i>If the response to Question VIII.R.1 is "NO," go to Section VIII.S.</i>                                                                                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| 2. Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>S. Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations</b>                                                                                                                                                                   |                                                                                                     |
| 1. The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations.<br><i>If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.</i>                                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 2. The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.                                                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>T. Subpart KK - National Emission Standards for the Printing and Publishing Industry</b>                                                                                                                                                                      |                                                                                                     |
| 1. The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.                                                                                                                          | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| <b>U. Subpart PP - National Emission Standards for Containers</b>                                                                                                                                                                                                |                                                                                                     |
| 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.<br><i>If the response to Question VIII.U.1 is "NO," go to Section VIII.V.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| 2. The application area includes containers using Container Level 1 controls.                                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| 3. The application area includes containers using Container Level 2 controls.                                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |



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| <b>Form OP-REQ1: Page 56</b>                                                                                                                                                                                                                                                                                                                                                   |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                         |                                                                     |
| <b>U. Subpart PP - National Emission Standards for Containers (continued)</b>                                                                                                                                                                                                                                                                                                  |                                                                     |
| 4. The application area includes containers using Container Level 3 controls.                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>V. Subpart RR - National Emission Standards for Individual Drain Systems</b>                                                                                                                                                                                                                                                                                                |                                                                     |
| 1. The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.                                                                                                                                                                               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards</b>                                                                                                                                                                                                                |                                                                     |
| 1. The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.                                                                                                                                                  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.<br><i>If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).                                                                                                                                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 4. The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).                                                                                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 5. All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.                                                                                                                                                                                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br><i>If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.</i>                                                                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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| <b>Form OP-REQ1: Page 57</b>                                                                                                                                                                                                                                     |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                           |                                                          |
| <b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>                                                                                      |                                                          |
| 7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.                                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.                | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br><i>If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.</i>                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 10. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 11. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 12. The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br><i>If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 14. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.                                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

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| <b>Form OP-REQ1: Page 59</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |
| <b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |
| 19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute. | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| 20. The application area includes an ethylene production process unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 21. The application area includes waste streams generated from an ethylene production process unit.<br><i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 22. The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1).<br><i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| 23. Waste stream(s) are transferred off-site for treatment.<br><i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| 24. The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment.<br><i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</i>                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |

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| <b>Form OP-REQ1: Page 60</b>                                                                                                                                                                                                                                |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                      |                                                          |
| <b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>                                                                                 |                                                          |
| 25. The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).                                                                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 26. The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b).<br><i>If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.</i>                               | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 27. The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control.<br><i>If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.</i>                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 28. The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s).<br><i>If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 29. The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.                                                                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 30. The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream.<br><i>If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.</i>                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 31. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 61</b>                                                                                                                                                                                                                               |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                     |                                                          |
| <b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>                                                                                |                                                          |
| 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.<br><i>If the response to Question VIII.W.32 is required, go to Question VIII.W.43.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 33. The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream.<br><i>If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.</i>                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 34. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br><i>If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.</i>                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 35. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 36. The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream.<br><i>If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.</i>                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 37. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br><i>If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.</i>                              | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

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



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

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| <b>Form OP-REQ1: Page 65</b>                                                                                                                                                                                                                       |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                             |                                                          |
| <b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>                                                                                                                |                                                          |
| 5. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 6. The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 7. The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br><i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br><i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>           | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br><i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</i>      | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 66</b>                                                                                                                                                                                                                             |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                   |                                                          |
| <b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>                                                                                                                      |                                                          |
| 13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>Containers</b>                                                                                                                                                                                                                                        |                                                          |
| 14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>Drains</b>                                                                                                                                                                                                                                            |                                                          |
| 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.<br><i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit.<br><i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</i>                 | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 67</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                                                                                                                                                         |                                                          |
| <b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>                                                                                                                                                                                                                                                                                                                                                                            |                                                          |
| <b>Drains (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |
| 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).<br><i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>                                                                                                                                                                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 20. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.                                                                                                                                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 21. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.                                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 22. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 68</b>                                                                                                                                                                                                                                                                                                                                                     |                                                                     |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                                                                                                                           |                                                                     |
| <b>Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.</b>                                                                                                                                                                                       |                                                                     |
| 1. The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.                                                                                                                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>Z. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.</b>                                                                                                                                                                                                                                                     |                                                                     |
| ◆ 1. The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.                                                                                                                                                                                                             | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)</b>                                                                                                                                                                                                                             |                                                                     |
| 1. The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).                                                                                                                                                                                                    | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 2. The application area is located at a plant site that is a major source as defined in FCAA § 112(a).                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 3. The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP.<br><i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i> | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 4. The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF.<br><i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</i>                                                                                             | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 69</b>                                                                                                                                                                                                                                     |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                           |                                                          |
| <b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>                                                                                                 |                                                          |
| 5. The application area includes process wastewater streams.<br><i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>                                                                                                                 | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 6. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 7. The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br><i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>                                                   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br><i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.                                                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.               | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br><i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>               | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 70</b>                                                                                                                                                                                                                                                  |                                                          |
| <b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>                                                                                                                        |                                                          |
| <b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>                                                                                                              |                                                          |
| 13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h).<br><i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 14. The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.                                                                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 15. Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite.<br><i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 16. The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 17. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 18. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.                                                                                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 19. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream.<br><i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>                   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 20. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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



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

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

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

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

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| <b>Form OP-REQ1: Page 76</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                        |
| <b>IX. Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions</b>                                                    |                                                                                                                                                                                                                                                                                                                                        |
| <b>A. Applicability</b>                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10. <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>                                                                                 |
| <b>X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone</b>                                                           |                                                                                                                                                                                                                                                                                                                                        |
| <b>A. Subpart A - Production and Consumption Controls</b>                                                                                                             |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span>                                                       |
| <b>B. Subpart B - Servicing of Motor Vehicle Air Conditioners</b>                                                                                                     |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                     |
| <b>C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances</b> |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 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. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span>                  |
| <b>D. Subpart D - Federal Procurement</b>                                                                                                                             |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 1. The application area is owned/operated by a department, agency, or instrumentality of the United States. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span>                                                                                    |
| <b>E. Subpart E - The Labeling of Products Using Ozone Depleting Substances</b>                                                                                       |                                                                                                                                                                                                                                                                                                                                        |
| ◆                                                                                                                                                                     | 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. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span> |
| ◆                                                                                                                                                                     | 2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span>                                              |
| ◆                                                                                                                                                                     | 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. <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/><input type="checkbox"/> N/A</span>                   |

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| <b>Form OP-REQ1: Page 77</b>                                                                                            |                                                                                                                                                                                                                                                                                                     |
| <b>X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)</b> |                                                                                                                                                                                                                                                                                                     |
| <b>F. Subpart F - Recycling and Emissions Reduction</b>                                                                 |                                                                                                                                                                                                                                                                                                     |
| ◆                                                                                                                       | 1. Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.                                                                                         |
|                                                                                                                         | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                 |
| ◆                                                                                                                       | 2. Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.                                                                                                                                            |
|                                                                                                                         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                 |
| ◆                                                                                                                       | 3. The application area manufactures appliances or refrigerant recycling and recovery equipment.                                                                                                                                                                                                    |
|                                                                                                                         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                 |
| <b>G. Subpart G - Significant New Alternatives Policy Program</b>                                                       |                                                                                                                                                                                                                                                                                                     |
| ◆                                                                                                                       | 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.<br><i>If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.</i> |
|                                                                                                                         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                 |
| ◆                                                                                                                       | 2. All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).                                                                                                                                                                              |
|                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                            |
| <b>H. Subpart H -Halon Emissions Reduction</b>                                                                          |                                                                                                                                                                                                                                                                                                     |
| ◆                                                                                                                       | 1. Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.                                                                                                                                                                    |
|                                                                                                                         | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                 |
| ◆                                                                                                                       | 2. Disposal of halons or manufacturing of halon blends is conducted in the application area.                                                                                                                                                                                                        |
|                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A                                                                                                                                                                                                            |
| <b>XI. Miscellaneous</b>                                                                                                |                                                                                                                                                                                                                                                                                                     |
| <b>A. Requirements Reference Tables (RRT) and Flowcharts</b>                                                            |                                                                                                                                                                                                                                                                                                     |
| 1.                                                                                                                      | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.                                                                                                                                                         |
|                                                                                                                         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                 |

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

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



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

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

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| <b>Form OP-REQ1: Page 82</b>                                 |                                                                                                                                                                                                                                                                                                                                                       |                                                                     |
| <b>XI. Miscellaneous (continued)</b>                         |                                                                                                                                                                                                                                                                                                                                                       |                                                                     |
| <b>J. Title 30 TAC Chapter 101, Subchapter H (continued)</b> |                                                                                                                                                                                                                                                                                                                                                       |                                                                     |
| ◆                                                            | 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 <sub>x</sub> .                                                                                                                                     | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                            | 5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.                                                                                                                                                                                                                                    | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆                                                            | 6. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.                                                      | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                            | 7. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>K. Periodic Monitoring</b>                                |                                                                                                                                                                                                                                                                                                                                                       |                                                                     |
| ◆                                                            | 1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.                                                                                                                                                                                                               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆                                                            | 2. The permit currently contains at least one periodic monitoring requirement.<br><i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>                                                                                                                                                                           | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆                                                            | 3. All periodic monitoring requirements are being removed from the permit with this application.                                                                                                                                                                                                                                                      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 83</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>XI. Miscellaneous (continued)</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>L. Compliance Assurance Monitoring</b> |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ◆ 1.                                      | <p>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.</p> <p><i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i></p> |
|                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                 |
| ◆ 2.                                      | <p>The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement.</p> <p><i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i></p>                                                                                                                                                                                                                       |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |
| ◆ 3.                                      | <p>The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.</p>                                                                                                                                                                                                                                                                                                                     |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |
| ◆ 4.                                      | <p>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.</p> <p><i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i></p>                                                                                                                                             |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |
| 5.                                        | <p>The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.</p>                                                                                                                                                                                                                                                         |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |
| 6.                                        | <p>Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.</p>                                                                                                                                                                                                                                                       |
| ◆ 7.                                      | <p>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).</p>                                                                                                                                                                                                                                                                                |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |
| ◆ 8.                                      | <p>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).</p> <p><i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i></p>                                                                                                                                                                                                        |
|                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                                            |

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| <b>Form OP-REQ1: Page 84</b>                                                                            |                                                                                                                                                                                                                                            |                                                                                                     |
| <b>XI. Miscellaneous (continued)</b>                                                                    |                                                                                                                                                                                                                                            |                                                                                                     |
| <b>L. Compliance Assurance Monitoring (continued)</b>                                                   |                                                                                                                                                                                                                                            |                                                                                                     |
| ◆                                                                                                       | 9. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆                                                                                                       | 10. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.                                                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆                                                                                                       | 11. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.               | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| ◆                                                                                                       | 12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>M. Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times</b> |                                                                                                                                                                                                                                            |                                                                                                     |
| ◆                                                                                                       | 1. The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004.<br><i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i>                        | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| ◆                                                                                                       | 2. All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.                                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO                                            |
| <b>XII. New Source Review (NSR) Authorizations</b>                                                      |                                                                                                                                                                                                                                            |                                                                                                     |
| <b>A. Waste Permits with Air Addendum</b>                                                               |                                                                                                                                                                                                                                            |                                                                                                     |
| ◆                                                                                                       | 1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum.<br><i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |

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| <b>Form OP-REQ1: Page 85</b>                                   |                                                                                                                                                                                                                                                                                                                                   |                                                                     |
| <b>XII. New Source Review (NSR) Authorizations (continued)</b> |                                                                                                                                                                                                                                                                                                                                   |                                                                     |
| <b>B. Air Quality Standard Permits</b>                         |                                                                                                                                                                                                                                                                                                                                   |                                                                     |
| ◆                                                              | 1. The application area includes at least one Air Quality Standard Permit NSR authorization.<br><br><i>If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆                                                              | 2. The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.                                                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 3. The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.                                                                                                                                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 4. The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.                                                                                                                                                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 5. The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.                                                                                                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 6. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.                                                                                                                                                                              | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 7. The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                                                | 8. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.                                                                                                                                                                                                               | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 9. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.                                                                                                                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 10. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.                                                                                                                                                                                                             | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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| <b>Form OP-REQ1: Page 86</b>                                   |                                                                                                                                                                                                  |                                                                     |
| <b>XII. New Source Review (NSR) Authorizations (continued)</b> |                                                                                                                                                                                                  |                                                                     |
| <b>B. Air Quality Standard Permits (continued)</b>             |                                                                                                                                                                                                  |                                                                     |
| ◆                                                              | 11. The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.                                                                                     | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 12. The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization.<br><i>If the response to XII.B.12 is "NO," go to Question XII.B.15.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 13. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 14. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.                                                            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 15. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.                                                                                           | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆                                                              | 16. The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.                                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>C. Flexible Permits</b>                                     |                                                                                                                                                                                                  |                                                                     |
|                                                                | 1. The application area includes at least one Flexible Permit NSR authorization.                                                                                                                 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <b>D. Multiple Plant Permits</b>                               |                                                                                                                                                                                                  |                                                                     |
|                                                                | 1. The application area includes at least one Multi-Plant Permit NSR authorization.                                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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| <b>Form OP-REQ1: Page 87</b>                                                                                                                                                                                                                                                                             |                           |                    |                |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                                                                                                                                                  |                           |                    |                |
| <b>E. PSD Permits and PSD Major Pollutants</b>                                                                                                                                                                                                                                                           |                           |                    |                |
| PSD Permit No.: PSDTX1606                                                                                                                                                                                                                                                                                | Issuance Date: 5/25/2023  | Pollutant(s): CO   |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| PSD Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | Pollutant(s):      |                |
| <i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i> |                           |                    |                |
| <b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| NA Permit No.:                                                                                                                                                                                                                                                                                           | Issuance Date:            | Pollutant(s):      |                |
| <i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>  |                           |                    |                |
| <b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>                                                                                                                                                                                                                                             |                           |                    |                |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| NSR Permit No.:                                                                                                                                                                                                                                                                                          | Issuance Date:            | NSR Permit No.:    | Issuance Date: |
| <b>◆ 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</b>                                                                                                                     |                           |                    |                |
| Authorization No.: 4773A                                                                                                                                                                                                                                                                                 | Issuance Date: 05/25/2023 | Authorization No.: | Issuance Date: |
| Authorization No.: 40938                                                                                                                                                                                                                                                                                 | Issuance Date: 03/06/2024 | 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:       | 02/17/2025  |
| Permit No.: | O-2290      |
| RN No.:     | RN100217207 |

*For SOP applications, answer ALL questions unless otherwise directed.*

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

|                                                                                                                                                                                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Form OP-REQ1: Page 88</b>                                                                                                                                                      |                             |
| <b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>                                                                                           |                             |
| ◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                         |                             |
| <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.: 106.102                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.122                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.261                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.263                                                                                                                                                                  | Version No./Date: 11/1/2001 |
| PBR No.: 106.264                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.472                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.473                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.511                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.: 106.373                                                                                                                                                                  | Version No./Date: 9/4/2000  |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| PBR No.:                                                                                                                                                                          | Version No./Date:           |
| ◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>                                                                                     |                             |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |
| Permit No.:                                                                                                                                                                       | Issuance Date:              |

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## SECTION 4

## UNIT ATTRIBUTE FORMS

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This submittal includes the following Unit Attribute Forms:

- Industrial Cooling Towers Attributes (OP-UA13)

**Texas Commission on Environmental Quality  
Cooling Tower Attributes  
Form OP-UA13 (Page 3)**

**Federal Operating Permit Program**

**Table 3a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter H, Division 2: Cooling Tower Heat Exchange Systems**

| Date      | Permit No.: | Regulated Entity No. |
|-----------|-------------|----------------------|
| 2/17/2025 | O-2290      | RN100217207          |

| Unit ID No. | SOP Index No. | Cooling Tower Heat Exchange Systems Exemptions | Alternative Monitoring | Modified Monitoring | Approved Monitoring ID No. |
|-------------|---------------|------------------------------------------------|------------------------|---------------------|----------------------------|
| SGCT        | R5764         | NONE                                           | NO                     | NO                  |                            |
|             |               |                                                |                        |                     |                            |
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**Texas Commission on Environmental Quality  
Cooling Tower Attributes  
Form OP-UA13 (Page 4)  
Federal Operating Permit Program**

**Table 3b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter H, Division 2: Cooling Tower Heat Exchange Systems**

| Date      | Permit No.: | Regulated Entity No. |
|-----------|-------------|----------------------|
| 2/17/2025 | O-2290      | RN100217207          |

| Unit ID No. | SOP Index No. | Jacketed Reactor | Design Capacity | Finite Volume System | Flow Monitoring/<br>Testing Method | Total Strippable<br>VOC | On-Line Monitor |
|-------------|---------------|------------------|-----------------|----------------------|------------------------------------|-------------------------|-----------------|
| SGCT        | R5764         | NO               | 8000+           | YES                  | HRVOC                              | NO                      | NO              |
|             |               |                  |                 |                      |                                    |                         |                 |
|             |               |                  |                 |                      |                                    |                         |                 |
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## SECTION 5

## SUPPLEMENTAL FORMS

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This submittal includes the following Supplemental Forms:

- Permits by Rule Supplemental Table (Form OP-PBRSUP)

**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 |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| MEOHFUG     | 131521           | 106.261 | 04/01/2019        |
| SGFUG1C3C   | 172431           | 106.261 | 4/18/2023         |
| SG21-1-1    | 173440           | 106.261 | 08/04/2023        |
| POXNH3FLARE | 175042           | 106.261 | 02/05/2024        |
| SG20-3-2    | 175426           | 106.261 | 03/08/2024        |
| SG20-2-2    | 178931           | 106.261 | 02/04/2025        |

**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 |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001       |
| SITE        | 106.264 | 09/04/2000       |
| 303-54-1    | 106.472 | 09/04/2000       |
| 38-6-1      | 106.472 | 09/04/2000       |
| 71-1-2      | 106.472 | 09/04/2000       |
| 71-13-1     | 106.472 | 09/04/2000       |
| 71-2-1      | 106.472 | 09/04/2000       |
| 7-3-6       | 106.472 | 09/04/2000       |
| SG103-25-1  | 106.472 | 09/04/2000       |
| SG103-25-2  | 106.472 | 09/04/2000       |
| SG103-25-3  | 106.472 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 810-28-8    | 106.472 | 09/04/2000       |
| ROCGEN      | 106.511 | 09/04/2000       |
| SG41-31-1   | 106.473 | 09/04/2000       |
| SG5-1-1     | 106.472 | 09/04/2000       |
| SG810-27-1  | 106.472 | 09/04/2000       |
| SG811-1-1   | 106.472 | 09/04/2000       |
| SG811-3-1   | 106.472 | 09/04/2000       |



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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 08/10/2023 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| SG14-10-1   | 106.373 | 09/04/2000       |
| SG121-5-1_2 | 106.373 | 09/04/2000       |
| SG110-13-2  | 106.373 | 09/04/2000       |
| SG13-8-4    | 106.472 | 09/04/2000       |
| WOLOAD      | 106.473 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 08/10/2023 | O2290         | RN100217207             |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.102 | 09/04/2000       |
| 106.122 | 09/04/2000       |

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

| Date       | Permit Number | Regulated Entity Number |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSS-LNDCNT  | 106.263 | 11/01/2001                           | Maintain records of all MSS activities and its representative emissions.                                                                                                                                                                                                                                                                                                                                            |
| OTHER       | 106.264 | 09/04/2000                           | Maintain records of the equipment that have been replaced-in-kind.                                                                                                                                                                                                                                                                                                                                                  |
| 303-54-1    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 38-6-1      | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|            |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71-1-2     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-13-1    | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 71-2-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| 7-3-6      | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-1 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-2 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG103-25-3 | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

**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 |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 810-28-8    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| ROCGEN      | 106.511 | 09/04/2000                           | PBR limits the usage of the engine to at least 10% of the normal operating hours of the primary equipment. Records of the annual operating hours for the engine will be maintained.                                                                                                                                                                                                                                 |
| SG41-31-1   | 106.473 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |

|             |         |            |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG5-1-1     | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG810-27-1  | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-1-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG811-3-1   | 106.472 | 09/04/2000 | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| MEOHFUG     | 106.261 | 131521     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 4 of NSR Permit 40938.                                                                                                                                                                                                                                           |
| SGFUG1C3C   | 106.261 | 172431     | CO emissions from fugitive components are not required to be monitored. However, fugitive components will still be monitored per Special Condition 20 of NSR Permit 4773A.                                                                                                                                                                                                                                          |
| SG14-10-1   | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the refrigeration system operational hours and the amount of refrigerant recharged into the system.                                                                                                                                                                                        |
| SG121-5-1_2 | 106.373 | 09/04/2000 | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |

**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 |
|------------|---------------|-------------------------|
| 02/17/2025 | O2290         | RN100217207             |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|---------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG110-13-2  | 106.373 | 09/04/2000                           | The refrigeration system uses a refrigerant that has an ESL greater than 150 µg/m <sup>3</sup> . Records will be kept of the amount of refrigerant recharged into the system.                                                                                                                                                                                                                                       |
| SG13-8-4    | 106.472 | 09/04/2000                           | PBR limits chemicals stored to the list found in 106.472(1)-(9). Records will be kept of the material handled by source and annual throughput. If storing an air contaminant, emissions will be estimated using AP- 42 Chapter 7 to determine compliance with PBR 106.4 emission limits. Material stored does not produce visible emissions, thus recordkeeping for visible emissions not required for this source. |
| SG21-1-1    | 106.261 | 173440                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| POXNH3FLARE | 106.261 | 175042                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-3-2    | 106.261 | 175426                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |
| SG20-2-2    | 106.261 | 178931                               | Flare shall be monitored per the requirements of Special Condition 24 of NSR Permit 4773A.                                                                                                                                                                                                                                                                                                                          |