

Texas Commission on Environmental Quality

Title V Existing

1919

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE OXO & SYNTHESIS GAS SUPPLY UNIT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.375833
Longitude (W) (-###.#####)	94.945277
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100219351
What is the name of the Regulated Entity (RE)?	UNION CARBIDE
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.3775
Longitude (W) (-###.#####)	-94.943055
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305

State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	LISA
Middle	
Last	CASHBAUGH-SANCHEZ
Suffix	
Credentials	
Title	SENIOR SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3301 5TH AVE S
Routing (such as Mail Code, Dept., or Attn:)	
City	TEXAS CITY
State	TX
ZIP	77590
Phone (###-###-####)	4096414141
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	lmcashbaugh@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	FRAN FALCON(THE DOW CHEMICA...)
Prefix	THE DOW CHEMICAL COMPANY
First	MS
Middle	FRAN
Last	FALCON
Suffix	
Credentials	
Title	EH&S REGIONAL LEVERAGED DELIVERY DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	332 HIGHWAY 332 E
Routing (such as Mail Code, Dept., or Attn:)	LJ APB 2A145B
City	LAKE JACKSON
State	TX
Zip	77566
Phone (###-###-####)	9792389764
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	FQFALCON@DOW.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact. CRYSTAL SCHMIDT(THE DOW CHEMICA...)

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MRS
First	CRYSTAL
Middle	
Last	SCHMIDT
Suffix	
Credentials	
Title	AIR PERMIT MANAGER

Enter new address or copy one from list:

Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	332 HIGHWAY 332 E
Routing (such as Mail Code, Dept., or Attn:)	
City	LAKE JACKSON
State	TX
ZIP	77566
Phone (###-###-####)	9792381742
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	cschmidt6@dow.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 22 Min 33 Sec
3) Permit Longitude Coordinate:	94 Deg 56 Min 43 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.	1919-36576
5) Who will electronically sign this Title V application?	Duly Authorized Representative

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

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

2025-04-16_NOD_Response_O1919.pdf

Hash

E7A6C7B37D89760BDFF835AFC6B70D5FC75BD2FC72E0CFD6D90B6FCC203D8631

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 Duly Authorized Representative for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Fran Q Falcon, the owner of the STEERS account ER028176.

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 1919.
- 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: Fran Q Falcon OWNER OPERATOR

Account Number:	ER028176
Signature IP Address:	170.85.99.3
Signature Date:	2025-04-17
Signature Hash:	47028DDAF3697FA5C70F77C16A06E50F53CC1EEEEAEF487D89AB53CE34D67B713
Form Hash Code at time of Signature:	B1C97BBE4A0BAC9D547C903B104C4328692F5F146FF1616F4C7A3F53C5993917

Submission

Reference Number:	The application reference number is 779294
Submitted by:	The application was submitted by ER028176/Fran Q Falcon
Submitted Timestamp:	The application was submitted on 2025-04-17 at 09:43:34 CDT
Submitted From:	The application was submitted from IP address 170.85.99.3
Confirmation Number:	The confirmation number is 647199
Steers Version:	The STEERS version is 6.90
Permit Number:	The permit number is 1919

Additional Information

Application Creator: This account was created by Crystal Schmidt



April 16, 2025

E-MAIL RESPONSE

Texas Commission on Environmental Quality
ATTN: Mr. Tusar Swami
Air Permits Division, MC-163
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Operating Permit Notice of Deficiency (NOD) Response
TCEQ Project Number: 36576

Dear Mr. Tusar,

Union Carbide Corporation (UCC) is providing a response to the Notice of Deficiency (NOD) items provided on April 15, 2025.

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
jmoore@gchd.org

Additional Information Request

Item 1	OP-PBRSUP (dated 12/4/2024) Table A (page 2 of 8) – We have “Water Conveyances” – this is missing from Table D. It needs to be there. Please send all the 4 tables with new date at the top.
Item 1 Response	Please see the attached Form OP-PBRSUP for more information.
Item 2	Standard Permit (SP) 164671 is an initial SP per IDA. The SP term and condition is missing. You need to submit an updated OP-REQ1 with Section XII.B (page 86 and 87) filled out so that the term can be added.
Item 2 Response	Please see the attached Form OP-REQ1 (Pages 86 and 87 only) for more information.

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
C09A032	142943	106.261	12/07/2016
C09A032	160680	106.261 106.262	04/02/2020
E10AC3DRUMLDG E10AC5DRUMLDG	154429	106.261 106.262	01/25/2019
E10C062 E10C063	156454	106.261	05/20/2019
F09A001	164526	106.261	04/16/2021
F09A001	175521	106.261	03/04/2024
F10A-01	160800	106.261	04/17/2020
F10A-01	172028	106.261	03/17/2023
F10A-01	172287	106.261	04/04/2023
F10A-01	164528	106.261 106.262	04/16/2021
F10A-01	175410	106.261 106.262	02/19/2024
F10AC5001 F10AC1101	164528	106.261 106.262	04/16/2021
F10C001	71511	106.261	04/15/2004

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
F10C001	160803	106.261	04/17/2020
F10C001	168506	106.261	04/15/2022
F10C001	172004	106.261	04/04/2023
F10K001	151257	106.261	05/08/2018
F10K001	156310	106.261	04/17/2019
F10K001	160804	106.261	04/28/2020
F10K001	164536	106.261	04/12/2021
F10K001	172032	106.261	03/15/2023
F10K001	172288	106.262	03/23/2023
F10K001	175502	106.261 106.262	03/12/2024
F10N001-01	156455	106.261	05/21/2019
Water Conveyances	56355	106.532	02/18/2004

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.		PBR No.	Version No./Date
D2010		106.472	09/04/2000
D2010		106.476	09/04/2000
C09A032		106.475	09/04/2000
C09A032		106.476	09/04/2000
C09A033		106.492	03/14/1997
E10C060		106.476	09/04/2000
E10CCISTA E10CCISTB E10CCISTC	E10CNAST E10COSST	106.532	09/04/2000
PROFARMLGT PROLPO10C3 PROLPO10	PROLPO12 PROSYNGAS	106.263	11/01/2001
REFRIGERATION SYSTEMS		106.373	09/04/2000
T10K12CHT		106.475	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
April 16, 2025	O1919	RN100219351

PBR No.	Version No./Date
N/A	N/A

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
C09A032	106.261	142943	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
C09A032	106.261 106.262	160680	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
E10AC3DRUMLDG E10AC5DRUMLDG	106.261 106.262	154429	Maintain records of drumming throughput.
E10C062 E10C063	106.261	156454	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2466 SC 12 and 20 for hours of operation, minimum net heating value, and exit velocity.
F09A001	106.261	164526	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
F09A001	106.261	175521	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
F10A-01	106.261	160800	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172028	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172287	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10A-01	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261 106.262	175410	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10AC5001 F10AC1101	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10C001	106.261	71511	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	160803	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	168506	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	172004	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10K001	106.261	151257	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10K001	106.261	156310	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	160804	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	164536	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	172032	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.262	172288	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261 106.262	175502	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10N001-01	106.261	156455	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
D2010	106.472	09/04/2000	Maintain records of tank service and annual throughput.
D2010	106.476	09/04/2000	Maintain records of tank service and annual throughput.

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

Date	Permit Number	Regulated Entity Number
April 16, 2025	O1919	RN100219351

Unit ID No.		PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
C09A032		106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.
C09A032		106.476	09/04/2000	Maintain records of tank service and annual throughput.
C09A033		106.492	03/14/1997	Flare will continue to meet the monitoring and recordkeeping requirements for minimum heat net heating value and exit velocity per 106.492(1)(A).
E10C060		106.476	09/04/2000	Maintain records of tank service and annual throughput.
E10CCISTA E10CCISTB E10CCISTC	E10CNAST E10COSST	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
PROFARMLGT PROLPO10C3 PROLPO10	PROLPO12 PROSYNGAS	106.263	11/01/2001	Maintain PBR documentation of tracking emissions on a rolling 12-month basis.
REFRIGERATION SYSTEMS		106.373	09/04/2000	Maintain PBR documentation of the refrigerants.
T10K12CHT		106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.
<i>Water Conveyances</i>		<i>106.532</i>	<i>02/18/2004</i>	<i>Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).</i>

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 86)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
April 16, 2025	O1919	RN100219351

For SOP applications, answer ALL questions unless otherwise directed.

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

XII. New Source Review (NSR) Authorizations (continued)		
B. Air Quality Standard Permits		
◆ 1.	The application area includes at least one Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.1 is "No," go to Section XII.C. If the response to XII.B.1 is "Yes," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 87)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
April 16, 2025	O1919	RN100219351

For SOP applications, answer ALL questions unless otherwise directed.

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

XII. New Source Review (NSR) Authorizations (continued)		
B. Air Quality Standard Permits (continued)		
◆ 11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
◆ 12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.12 is "No," go to Question XII.B.15.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
C. Flexible Permits		
1.	The application area includes at least one Flexible Permit NSR authorization.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
D. Multiple Plant Permits		
1.	The application area includes at least one Multi-Plant Permit NSR authorization.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Texas Commission on Environmental Quality

Title V Existing

1919

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE OXO & SYNTHESIS GAS SUPPLY UNIT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.375833
Longitude (W) (-###.#####)	94.945277
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100219351
What is the name of the Regulated Entity (RE)?	UNION CARBIDE
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.3775
Longitude (W) (-###.#####)	-94.943055
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305

State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	LISA
Middle	
Last	CASHBAUGH-SANCHEZ
Suffix	
Credentials	
Title	SENIOR SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3301 5TH AVE S
Routing (such as Mail Code, Dept., or Attn:)	
City	TEXAS CITY
State	TX
ZIP	77590
Phone (###-###-####)	4096414141
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	lmcashbaugh@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	FRAN FALCON(THE DOW CHEMICA...)
Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	FRAN
Middle	
Last	FALCON
Suffix	
Credentials	
Title	EH&S REGIONAL LEVERAGED DELIVERY DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	332 HIGHWAY 332 E
Routing (such as Mail Code, Dept., or Attn:)	LJ APB 2A145B
City	LAKE JACKSON
State	TX
Zip	77566
Phone (###-###-####)	9792389764
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	FQFALCON@DOW.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

CRYSTAL SCHMIDT(THE DOW CHEMICA...)

Organization Name

THE DOW CHEMICAL COMPANY

Prefix

MRS

First

CRYSTAL

Middle

Last

SCHMIDT

Suffix

Credentials

Title

AIR PERMIT MANAGER

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

332 HIGHWAY 332 E

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

City

LAKE JACKSON

State

TX

ZIP

77566

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

9792381742

Extension

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

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

E-mail

cschmidt6@dow.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 22 Min 33 Sec

3) Permit Longitude Coordinate:

94 Deg 56 Min 43 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.

1919-36576

5) Who will electronically sign this Title V application?

Duly Authorized Representative

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

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	2025-03-28_NOD_Response_O1919.pdf
Hash	AA7DF3194742BC2E638DABBE3D74643ADE6D6FCC83BDB5F26F005DB4A813DEB1
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 Duly Authorized Representative for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Fran Q Falcon, the owner of the STEERS account ER028176.

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 1919.
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: Fran Q Falcon OWNER OPERATOR

Account Number:	ER028176
Signature IP Address:	170.85.99.3
Signature Date:	2025-03-28
Signature Hash:	47028DDAF3697FA5C70F77C16A06E50F53CC1EEEEAEF487D89AB53CE34D67B713
Form Hash Code at time of Signature:	9A1D7539BC2CD9FC1EF8C55CB2F6BA88AB04BE6A8D4B779FD49CE3A2180C080C

Submission

Reference Number:	The application reference number is 774118
Submitted by:	The application was submitted by ER028176/Fran Q Falcon
Submitted Timestamp:	The application was submitted on 2025-03-28 at 14:30:53 CDT
Submitted From:	The application was submitted from IP address 170.85.99.3
Confirmation Number:	The confirmation number is 642655
Steers Version:	The STEERS version is 6.89
Permit Number:	The permit number is 1919

Additional Information

Application Creator: This account was created by Crystal Schmidt



March 28, 2025

E-MAIL RESPONSE

Texas Commission on Environmental Quality
ATTN: Mr. Tusar Swami
Air Permits Division, MC-163
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Operating Permit Notice of Deficiency (NOD) and Working Draft (WDP) Response
TCEQ Project Number: 36576

Dear Mr. Tusar,

Union Carbide Corporation (UCC) is providing a response to the Notice of Deficiency (NOD) items provided on March 27, 2025.

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
jmoore@gchd.org

Additional Information Request

Item 1	<p>Unit ID: D2010 - COMPRESSOR LUBE OIL TANK – OP-PBR SUP (dated 12/4/2024) we have 106.472/09/04/2000, 106.476/09/04/2000.</p> <p>In OP-SUMR (dated 10/1/2024) we have only 106.472/09/04/2000.</p> <p>You may send the updated page of OP-SUMR with the corrected PCA for D2010</p>
Item 1 Response	Please see the attached Form OP-SUMR for more information.

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

Date	Permit Number	Regulated Entity Number
March 28, 2025	O1919	RN100219351

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
		D2010	OP-REQ2	COMPRESSOR LUBE OIL TANK		106.472/09/04/2000 <i>106.476/09/04/2000</i>	

Texas Commission on Environmental Quality

Title V Existing

1919

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE OXO & SYNTHESIS GAS SUPPLY UNIT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.375833
Longitude (W) (-###.#####)	94.945277
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100219351
What is the name of the Regulated Entity (RE)?	UNION CARBIDE
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.3775
Longitude (W) (-###.#####)	-94.943055
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305

State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	LISA
Middle	
Last	CASHBAUGH-SANCHEZ
Suffix	
Credentials	
Title	SENIOR SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3301 5TH AVE S
Routing (such as Mail Code, Dept., or Attn:)	
City	TEXAS CITY
State	TX
ZIP	77590
Phone (###-###-####)	4096414141
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	lmcashbaugh@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	FRAN FALCON(THE DOW CHEMICA...)
Prefix	THE DOW CHEMICAL COMPANY
First	MS
Middle	FRAN
Last	FALCON
Suffix	
Credentials	
Title	EH&S REGIONAL LEVERAGED DELIVERY DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	332 HIGHWAY 332 E
Routing (such as Mail Code, Dept., or Attn:)	LJ APB 2A145B
City	LAKE JACKSON
State	TX
Zip	77566
Phone (###-###-####)	9792389764
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	FQFALCON@DOW.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

CRYSTAL SCHMIDT(THE DOW CHEMICA...)

Organization Name

THE DOW CHEMICAL COMPANY

Prefix

MRS

First

CRYSTAL

Middle

Last

SCHMIDT

Suffix

Credentials

Title

AIR PERMIT MANAGER

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

332 HIGHWAY 332 E

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

City

LAKE JACKSON

State

TX

ZIP

77566

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

9792381742

Extension

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

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

E-mail

cschmidt6@dow.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 22 Min 33 Sec
3) Permit Longitude Coordinate:	94 Deg 56 Min 43 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.	1919-36576
5) Who will electronically sign this Title V application?	Duly Authorized Representative

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

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	O1919_Form_OP-CRO1.pdf
Hash	81A50598FE89E316F32BA9F86DB1B9F13061E45A71E7097A855BEB79B16535EB
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 Duly Authorized Representative for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Fran Q Falcon, the owner of the STEERS account ER028176.

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 1919.
- 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: Fran Q Falcon OWNER OPERATOR

Account Number:	ER028176
Signature IP Address:	170.85.99.3
Signature Date:	2025-02-17
Signature Hash:	47028DDAF3697FA5C70F77C16A06E50F53CC1EEEEAEF487D89AB53CE34D67B713
Form Hash Code at time of Signature:	183151A2A6F405B003E070EA579CE53ABB8A040976709D0639D4401ED3037B3B

Submission

Reference Number:	The application reference number is 757803
Submitted by:	The application was submitted by ER028176/Fran Q Falcon
Submitted Timestamp:	The application was submitted on 2025-02-17 at 11:58:12 CST
Submitted From:	The application was submitted from IP address 170.85.99.3
Confirmation Number:	The confirmation number is 630042
Steers Version:	The STEERS version is 6.87
Permit Number:	The permit number is 1919

Additional Information

Application Creator: This account was created by Crystal Schmidt

From: Schmidt, Crystal (C) <cschmidt6@dow.com>
Sent: Thursday, February 13, 2025 10:37 AM
To: Tusar Swami
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 2/21/2025
Attachments: 2025-02-13_WDP Response_O1919.pdf

Tusar,

Please see our attached response. I will work on getting the OP-CRO1 submitted via STEERS today. Thanks!

Crystal Schmidt

Crystal Schmidt
Air Permit Manager
The Dow Chemical Company
332 SH 332 E
cell phone: 409.392.5054
phone: 979.238.1742 | email: cschmidt6@dow.com



General Business

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Wednesday, February 12, 2025 4:32 PM
To: Schmidt, Crystal (C) <cschmidt6@dow.com>
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 2/21/2025

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Crystal:

Please see the updated draft. I have incorporated your comments. Please accept the draft and send an OP-CRO1 for the duration 11/14 thru the current date. In the meantime I am sending the PNAP for management review. You may send the OP-CRO1 through STEERS or send me directly with a wet signature by 02/21/2025.

Sincerely,

Tusar Swami, P.E.

**Texas Commission on Environmental Quality
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087
Phone: 512/239-1581 Fax: 512/239-1400
Email: tusar.swami@tceq.texas.gov



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

General Business

From: Schmidt, Crystal (C) <cschmidt6@dow.com>
Sent: Wednesday, December 4, 2024 9:12 PM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 12/6

Tusar,

Please see our attached response and let me know if you have any questions.

Please note that I will be on vacation from December 9th through December 13th. I will not have access to email; therefore, I will not respond to any emails until I return to work on December 16th.

Crystal Schmidt

Crystal Schmidt
Air Permit Manager
The Dow Chemical Company
332 SH 332 E
cell phone: 409.392.5054
phone: 979.238.1742 | email: cschmidt6@dow.com



Seek Together™

General Business

From: Tusar Swami <tusar.swami@tceq.texas.gov>

Sent: Thursday, November 14, 2024 4:32 PM

To: Schmidt, Crystal (C) <cschmidt6@dow.com>

Subject: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 12/6

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Crystal:

Good Afternoon. I have conducted a technical review of *renewal* application for Union Carbide Corporation/Union Carbide Texas City. 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 minor revision application dated April 22, 2024 and renewal application dated October 1, 2024. Please note that the renewal project is consolidated into this active revision project, which is turned into a renewal project. During the review following issue came up.

- OP-PBRSUP – Table B – There are couple of N/A under Unit ID's column. Please populate them with EPA/Unit ID as N/A is not acceptable.
 - Unit ID: C09A032 – In the Table A Registration number 160680 is provided, but in Table D 160580 is provided.
 - Unit ID: E10C062 is in Table A, but it is missing from Table D
 - Please make sure all Table A and Table B items appear and matching in Table D in order for easy to review. Also information in OP-PBRSUP should be consistent with information provided in OP-SUMR and OP-REQ1 (page 88). A large number of PBR registration associated with the RN100219351. Please make sure to represent all the PBR registration numbers associated with this application area in the OP-PBRSUP. Noted several recent ownership changes. Please throw some light on those. It is presumed they are associated with other application areas associated with this site.
 - Please resubmit all the Tables and pages of OP-PBRSUP with a new date.

Please review the WDP and submit to me any comments you have on the working draft permit by **December 6, 2024**.

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

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit. A prompt acknowledgement to this email will be very much appreciate. Thank you for your cooperation.

Sincerely,

Tusar Swami, P.E.

**Texas Commission on Environmental Quality
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: tusar.swami@tceq.texas.gov



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



February 13, 2025

E-MAIL RESPONSE

Texas Commission on Environmental Quality
ATTN: Mr. Tusar Swami
Air Permits Division, MC-163
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Operating Permit Working Draft (WDP) Response
TCEQ Project Number: 36576

Dear Mr. Tusar,

Union Carbide Corporation (UCC) is providing comments on the Working Draft Permit (WDP) provided on February 12, 2025.

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

Working Draft Permit Comments

Dow has no further comments on this Working Draft Permit.

From: Tusar Swami
Sent: Wednesday, February 12, 2025 4:32 PM
To: 'Schmidt, Crystal (C)'
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide

Crystal:

Please see the updated draft. I have incorporated your comments. Please accept the draft and send an OP-CRO1 for the duration 11/14 thru the current date. In the meantime I am sending the PNAP for management review. You may send the OP-CRO1 through STEERS or send me directly with a wet signature by 02/21/2025.

Sincerely,

Tusar Swami, P.E.

**Texas Commission on Environmental Quality
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087
Phone: 512/239-1581 Fax: 512/239-1400
Email: tusar.swami@tceq.texas.gov



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

From: Schmidt, Crystal (C) <cschmidt6@dow.com>
Sent: Wednesday, December 4, 2024 9:12 PM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 12/6

Tusar,

Please see our attached response and let me know if you have any questions.

Please note that I will be on vacation from December 9th through December 13th. I will not have access to email; therefore, I will not respond to any emails until I return to work on December 16th.

Crystal Schmidt

Crystal Schmidt
Air Permit Manager
The Dow Chemical Company
332 SH 332 E
cell phone: 409.392.5054
phone: 979.238.1742 | email: cschmidt6@dow.com



General Business

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Thursday, November 14, 2024 4:32 PM
To: Schmidt, Crystal (C) <cschmidt6@dow.com>
Subject: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 12/6

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Crystal:

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- OP-PBRSUP – Table B – There are couple of N/A under Unit ID's column. Please populate them with EPA/Unit ID as N/A is not acceptable.
 - Unit ID: C09A032 – In the Table A Registration number 160680 is provided, but in Table D 160580 is provided.
 - Unit ID: E10C062 is in Table A, but it is missing from Table D
 - Please make sure all Table A and Table B items appear and matching in Table D in order for easy to review. Also information in OP-PBRSUP should be consistent with information provided in OP-SUMR and OP-REQ1 (page 88). A large number of PBR registration associated with the RN100219351. Please make sure to represent all the PBR registration numbers associated with this application area in the OP-PBRSUP. Noted several recent ownership changes. Please throw some light on those. It is presumed they are associated with other application areas associated with this site.
 - Please resubmit all the Tables and pages of OP-PBRSUP with a new date.

Please review the WDP and submit to me any comments you have on the working draft permit by **December 6, 2024**.

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

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit. A prompt acknowledgement to this email will be very much appreciate. Thank you for your cooperation.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: tusar.swami@tceq.texas.gov



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at www.tceq.texas.gov/customersurvey

From: Schmidt, Crystal (C) <cschmidt6@dow.com>
Sent: Wednesday, December 4, 2024 9:12 PM
To: Tusar Swami
Subject: RE: Working Draft Permit -- FOP O1919/Project 36576
Attachments: 2024-12-04_WDP Response_O1919.pdf

Tusar,

Please see our attached response and let me know if you have any questions.

Please note that I will be on vacation from December 9th through December 13th. I will not have access to email; therefore, I will not respond to any emails until I return to work on December 16th.

Crystal Schmidt

Crystal Schmidt
Air Permit Manager
The Dow Chemical Company
332 SH 332 E
cell phone: 409.392.5054
phone: 979.238.1742 | email: cschmidt6@dow.com



General Business

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Thursday, November 14, 2024 4:32 PM
To: Schmidt, Crystal (C) <cschmidt6@dow.com>
Subject: Working Draft Permit -- FOP O1919/Project 36576, Union Carbide Corporation/Union Carbide Texas City - Respond by 12/6

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Crystal:

Good Afternoon. I have conducted a technical review of *renewal* application for Union Carbide Corporation/Union Carbide Texas City. 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 minor revision application dated April 22, 2024 and renewal application dated October 1, 2024 . Please note that the renewal project is

consolidated into this active revision project, which is turned into a renewal project. During the review following issue came up.

- OP-PBRSUP – Table B – There are couple of N/A under Unit ID’s column. Please populate them with EPA/Unit ID as N/A is not acceptable.
 - Unit ID: C09A032 – In the Table A Registration number 160680 is provided, but in Table D 160580 is provided.
 - Unit ID: E10C062 is in Table A, but it is missing from Table D
 - Please make sure all Table A and Table B items appear and matching in Table D in order for easy to review. Also information in OP-PBRSUP should be consistent with information provided in OP-SUMR and OP-REQ1 (page 88). A large number of PBR registration associated with the RN100219351. Please make sure to represent all the PBR registration numbers associated with this application area in the OP-PBRSUP. Noted several recent ownership changes. Please throw some light on those. It is presumed they are associated with other application areas associated with this site.
 - Please resubmit all the Tables and pages of OP-PBRSUP with a new date.

Please review the WDP and submit to me any comments you have on the working draft permit by **December 6, 2024**.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit. A prompt acknowledgement to this email will be very much appreciate. Thank you for your cooperation.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: tusar.swami@tceq.texas.gov



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December 4, 2024

E-MAIL RESPONSE

Texas Commission on Environmental Quality
ATTN: Mr. Tusar Swami
Air Permits Division, MC-163
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Operating Permit Notice of Deficiency (NOD) and Working Draft (WDP) Response
TCEQ Project Number: 36576

Dear Mr. Tusar,

Union Carbide Corporation (UCC) is providing a response to the Notice of Deficiency (NOD) items and comments on the Working Draft Permit (WDP) provided on November 14, 2024.

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
jmoore@gchd.org

Additional Information Request

Item 1	<p>OP-PBR SUP – Table B – There are couple of N/A under Unit ID’s column. Please populate them with EPA/Unit ID as N/A is not acceptable.</p> <ul style="list-style-type: none">○ Unit ID: C09A032 – In the Table A Registration number 160680 is provided, but in Table D 160580 is provided.○ Unit ID: E10C062 is in Table A, but it is missing from Table D○ Please make sure all Table A and Table B items appear and matching in Table D in order for easy to review. Also information in OP-PBR SUP should be consistent with information provided in OP-SUMR and OP-REQ1 (page 88). A large number of PBR registration associated with the RN100219351. Please make sure to represent all the PBR registration numbers associated with this application area in the OP-PBR SUP. Noted several recent ownership changes. Please throw some light on those. It is presumed they are associated with other application areas associated with this site.○ Please resubmit all the Tables and pages of OP-PBR SUP with a new date.
Item 1 Response	Please see the attached Form OP-PBR SUP for more information.

Working Draft Permit Comments

Permit Shield

1. P10L102; P10L104: Please update the 40 CFR Part 60, Subpart NNN Basis of Regulation from “Construction date is before 06/29/1990” to “Construction date is before 12/30/1983”.

New Source Review Authorization References

1. Please add PBR 106.475/09/04/2000 to this table as requested in Revision #1 in the minor revision application update that was submitted on June 21, 2024.

New Source Review Authorization References by Emissions Unit

1. C09A032: Please add PBR 106.475/09/04/2000 to this unit as requested in Revision #1 in the minor revision application update that was submitted on June 21, 2024.

Permit By Rule Supplemental Table
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
December 4, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
C09A032	142943	106.261	12/07/2016
C09A032	160680	106.261 106.262	04/02/2020
E10AC3DRUMLDG E10AC5DRUMLDG	154429	106.261 106.262	01/25/2019
E10C062 E10C063	156454	106.261	05/20/2019
F09A001	164526	106.261	04/16/2021
F09A001	175521	106.261	03/04/2024
F10A-01	160800	106.261	04/17/2020
F10A-01	172028	106.261	03/17/2023
F10A-01	172287	106.261	04/04/2023
F10A-01	164528	106.261 106.262	04/16/2021
F10A-01	175410	106.261 106.262	02/19/2024
F10AC5001 F10AC1101	164528	106.261 106.262	04/16/2021
F10C001	71511	106.261	04/15/2004

Permit By Rule Supplemental Table
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
December 4, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
F10C001	160803	106.261	04/17/2020
F10C001	168506	106.261	04/15/2022
F10C001	172004	106.261	04/04/2023
F10K001	151257	106.261	05/08/2018
F10K001	156310	106.261	04/17/2019
F10K001	160804	106.261	04/28/2020
F10K001	164536	106.261	04/12/2021
F10K001	172032	106.261	03/15/2023
F10K001	172288	106.262	03/23/2023
F10K001	175502	106.261 106.262	03/12/2024
F10N001-01	156455	106.261	05/21/2019
<i>Water Conveyances</i>	<i>56355</i>	<i>106.532</i>	<i>02/18/2004</i>

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
December 4, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date
D2010	106.472	09/04/2000
D2010	106.476	09/04/2000
N/A	106.532	09/04/2000
N/A	106.532	09/04/2000
C09A032	106.475	09/04/2000
C09A032	106.476	09/04/2000
C09A033	106.492	03/14/1997
E10C060	106.476	09/04/2000
E10CCISTA E10CCISTB E10CCISTC	E10CNAST E10COSST 106.532	09/04/2000
PROFARMLGT PROLPO10C3 PROLPO10	PROLPO12 PROSYNGAS 106.263	11/01/2001
REFRIGERATION SYSTEMS	106.373	09/04/2000
T10K12CHT	106.475	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
December 4, 2024	O1919	RN100219351

PBR No.	Version No./Date
N/A	N/A

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
December 4, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
C09A032	106.261	142943	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
C09A032	106.261 106.262	160680	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
E10AC3DRUMLDG E10AC5DRUMLDG	106.261 106.262	154429	Maintain records of drumming throughput.
E10C062 E10C063	106.261	156454	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2466 SC 12 and 20 for hours of operation, minimum net heating value, and exit velocity.
F09A001	106.261	164526	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
F09A001	106.261	175521	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
F10A-01	106.261	160800	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172028	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172287	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).

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
December 4, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10A-01	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261 106.262	175410	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10AC5001 F10AC1101	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10C001	106.261	71511	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	160803	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	168506	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	172004	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10K001	106.261	151257	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).

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
December 4, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10K001	106.261	156310	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	160804	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	164536	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	172032	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.262	172288	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261 106.262	175502	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10N001-01	106.261	156455	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
<i>D2010</i>	<i>106.472</i>	<i>09/04/2000</i>	<i>Maintain records of tank service and annual throughput.</i>
<i>D2010</i>	<i>106.476</i>	<i>09/04/2000</i>	<i>Maintain records of tank service and annual throughput.</i>

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

Date	Permit Number	Regulated Entity Number
December 4, 2024	O1919	RN100219351

Unit ID No.		PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
N/A		106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
N/A		106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
C09A032		106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.
C09A032		106.476	09/04/2000	Maintain records of tank service and annual throughput.
C09A033		106.492	03/14/1997	Flare will continue to meet the monitoring and recordkeeping requirements for minimum heat net heating value and exit velocity per 106.492(1)(A).
E10C060		106.476	09/04/2000	Maintain records of tank service and annual throughput.
E10CCISTA E10CCISTB E10CCISTC	E10CNAST E10COSST	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
PROFARMLGT PROLPO10C3 PROLPO10	PROLPO12 PROSYNGAS	106.263	11/01/2001	Maintain PBR documentation of tracking emissions on a rolling 12-month basis.
REFRIGERATION SYSTEMS		106.373	09/04/2000	Maintain PBR documentation of the refrigerants.
T10K12CHT		106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.

From: [eNotice TCEQ](#)
To: mayes.middleton@senate.texas.gov; terri.leo-wilson@house.texas.gov
Subject: TCEQ Notice - Permit Number O1919
Date: Tuesday, October 8, 2024 1:00:44 PM
Attachments: [TCEQ Notice - O1919 37227.pdf](#)

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

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

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

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

Congressman Randy K. Weber, Sr.
U.S. Congressional District 14

Representative Terri Leo-Wilson
Texas House District 23

Senator Mayes Middleton
Texas Senate District 11

Ms. Julie Pickren
State Board of Education District 7

Senator John Cornyn
U.S. Senate

Senator Ted Cruz
U.S. Senate

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search:

Moore Memorial Public Library

Texas City, TX

Address: 1701 9th Avenue North
Texas City, Texas
77590
United States


County: Galveston

Phone: 409-643-5979

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Library details: **Moore Memorial Public Library** is a **Public** library.

This library is affiliated with **Moore Memorial Public Library** ([view map](#)) . The collection of the library contains **174,396** volumes. The library circulates **270,326** items per year. The library serves a population of **52,756** residents .

Permalink:  <https://librarytechnology.org/library/13160>
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Administration: The director of the library is **Cheryl Loewen** .

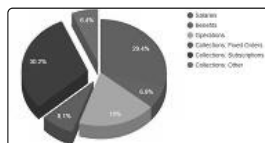
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Service Population	52,756	Residents
Collection size	174,396	volumes
Annual Circulation	270,326	transactions



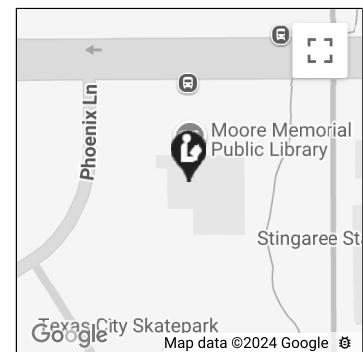
[View Detailed Statistics](#)

Technology Profile

	Product Name	Year Contracted
Current Automation System	Symphony	2002
Previous Automation System	INLEX/3000	1991
Previous Automation System	None	



Moore Memorial Public Library



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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 8, 2024

THE HONORABLE MAYES MIDDLETON
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37227
Permit Number: O1919
Union Carbide Corporation
Low Pressure Oxo & Synthesis Gas Supply Unit
Texas City, Galveston County
Regulated Entity Number: RN100219351
Customer Reference Number: CN601688781

Dear Senator Middleton:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.945277,29.375833&level=13>.

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

The Honorable Mayes Middleton
Page 2
October 8, 2024

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,

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

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

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 8, 2024

THE HONORABLE TERRI LEO-WILSON
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37227
Permit Number: O1919
Union Carbide Corporation
Low Pressure Oxo & Synthesis Gas Supply Unit
Texas City, Galveston County
Regulated Entity Number: RN100219351
Customer Reference Number: CN601688781

Dear Representative Leo-Wilson:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.945277,29.375833&level=13>.

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

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

Sincerely,

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

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

From: [Johnny Bowers](#)
To: [Richard Suniga](#)
Subject: FW: STEERS Title V Application Submittal (New Application)
Date: Wednesday, October 2, 2024 7:24:06 AM

Please process. Thanks!

-----Original Message-----

From: steers@tceq.texas.gov <steers@tceq.texas.gov>
Sent: Tuesday, October 1, 2024 10:37 AM
To: RFCAIR12 <RFCAIR12@tceq.texas.gov>; fitzsimmmons@gchd.org; ltubbs@gchd.org; TVAPPS <tvapps@tceq.texas.gov>
Subject: STEERS Title V Application Submittal (New Application)

The TV-E application has been successfully submitted by LISA CASHBAUGH-SANCHEZ. The submittal was received at 10/01/2024 10:36 AM.

The Reference number for this submittal is 687901

The confirmation number for this submittal is 567482.

The Area ID for this submittal is 1919.

The Project ID for this submittal is 37227.

The hash code for this submittal is

12573D896A6417D47AA3A4AC561C5427FFD5AF2DB0337F452D1C10F1E7394A72.

You may access the original application submittal and the notice of final action documents from the COR Viewer which is available at <https://ida.tceq.texas.gov/steersstaff/index.cfm?fuseaction=openadmin.submitlog&newsearch=yes>.

If you have any questions, please contact the STEERS Help Line at 512-239-6925 or by e-mail at steers@tceq.texas.gov.



October 1, 2024

Electronic Submittal via ePermits

Mr. Johnny Bowers
TCEQ Air Permits Initial Review Team (APIRT), MC-161
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Permit O1919 Renewal Application

Dear Mr. Bowers,

Union Carbide Corporation (UCC) is submitting the Title V Operating Permit O1919 renewal application for the Low Pressure Oxo & Synthesis Gas Supply Unit located in Galveston County, Texas. The following forms are included in this submittal as part of the permit application.

- Form OP-1
- Form OP-2
- Form OP-SUMR
- Form OP-UAs
- Form OP-REQ1
- Form OP-REQ2
- Form OP-REQ3
- Form OP-PBR SUP
- Form OP-MONs
- Form OP-ACPS

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

Enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
jmoore@gchd.org

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

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

I. Company Identifying Information
A. Company Name: Union Carbide Corporation
B. Customer Reference Number (CN): CN601688781
C. Submittal Date (mm/dd/yyyy): October 1, 2024
II. Site Information
A. Site Name: Union Carbide Texas City
B. Regulated Entity Reference Number (RN): RN100219351
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/> AR <input type="checkbox"/> CO <input type="checkbox"/> KS <input type="checkbox"/> LA <input type="checkbox"/> NM <input type="checkbox"/> OK <input checked="" type="checkbox"/> N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO _x <input checked="" type="checkbox"/> SO ₂ <input checked="" type="checkbox"/> PM ₁₀ <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input checked="" type="checkbox"/> HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: N/A
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/> Site Operating Permit (SOP) <input type="checkbox"/> Temporary Operating Permit (TOP) <input type="checkbox"/> General Operating Permit (GOP)

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

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>	
A. Is this submittal an abbreviated or a full application?	<input type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	<input type="checkbox"/> YES <input type="checkbox"/> NO
E. Has the required Public Involvement Plan been included with this application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
V. Confidential Information	
A. Is confidential information submitted in conjunction with this application?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
VI. Responsible Official (RO) Identifying Information	
RO Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.)	
RO Full Name: Lisa Cashbaugh-Sanchez	
RO Title: Senior Site Manufacturing Director	
Employer Name: The Dow Chemical Company	
Mailing Address: 3301 5th Avenue South	
City: Texas City	
State: Texas	
ZIP Code: 77590	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 409-641-4141	
Fax No.:	
Email: LMCashbaugh@dow.com	

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Crystal Schmidt
Technical Contact Title: Air Permit Manager
Employer Name: The Dow Chemical Company
Mailing Address: 332 South Hwy 332 E
City: Lake Jackson
State: Texas
ZIP Code: 77566
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 979-238-1742
Fax No.:
Email: cschmidt6@dow.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Senator Mayes Middleton
B. State Representative: Representative Terri Leo-Wilson
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

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

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit
B. Physical Address: 3301 5th Avenue South
City: Texas City
State: Texas
ZIP Code: 77592-0471
C. Physical Location:
D. Nearest City: Texas City
E. State: Texas
F. ZIP Code: 77592-0471

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

X. Application Area Information <i>(continued)</i>
G. Latitude (nearest second): 29° 22' 33"
H. Longitude (nearest second): 94° 56' 43"
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
J. Indicate the estimated number of emission units in the application area: 73
K. Are there any emission units in the application area subject to the Acid Rain Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
L. Affected Source Plant Code (or ORIS/Facility Code):
XI. Public Notice <i>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)</i>
A. Name of a public place to view application and draft permit: Moore Public Library
B. Physical Address: 1701 9th Avenue South
City: Texas City
ZIP Code: 77592
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Crystal Schmidt
Contact Mailing Address: 332 South Hwy 332 E
City: Lake Jackson
State: Texas
ZIP Code: 77566
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 979-238-1742

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

XII. Delinquent Fees and Penalties

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

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.

XIII. Designated Representative (DR) Identifying Information

DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)

DR Full Name:

DR Title:

Employer Name:

Mailing Address:

City:

State:

ZIP Code:

Territory:

Country:

Foreign Postal Code:

Internal Mail Code:

Telephone No.:

Fax No.:

Email:

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

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.

XIV. Alternate Designated Representative (ADR) Identifying Information

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

ADR Full Name:

ADR Title:

Employer Name:

Mailing Address:

City:

State:

ZIP Code:

Territory:

Country:

Foreign Postal Code:

Internal Mail Code:

Telephone No.:

Fax No.:

Email:

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

Date: October 1, 2024	
Permit No.: O1919	
Regulated Entity No.: RN100219351	
Company Name: Union Carbide Corporation	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
I. Application Type	
Indicate the type of application:	
<input checked="" type="checkbox"/> Renewal	
<input type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
<input type="checkbox"/> Significant Revision	
<input type="checkbox"/> Revision Requesting Prior Approval	
<input type="checkbox"/> Administrative Revision	
<input type="checkbox"/> Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
For GOP Revisions Only <input type="checkbox"/> YES <input type="checkbox"/> NO	

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

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

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

Date: October 1, 2024
Permit No.: O1919
Regulated Entity No.: RN100219351
Company Name: Union Carbide Corporation

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
1	MS-C	NO	N/A	OP-UAs OP-REQ1 OP-SUMR	N/A	UCC requests updates to the unit sources whose UA forms have been updated since the last renewal. In addition, UCC is requesting the update to Preconstruction Authorizations. Please see the attached Form OP-SUMR and OP-REQ1. Additions have been bolded and italicized and deletions have been struck through.
2	MS-C	NO	E10C021	OP-UA1 OP-UA5	N/A	UCC is requesting to remove 40 CFR Part 63, Subpart DDDDD (Boiler MACT) General High-Level applicability and requesting to add Boiler MACT Low-Level applicability to this boiler. Please see strikethrough on OP-UA1 and addition to OP-UA5.
3	MS-C	NO	E10AC3DRUMLDG E10AC5DRUMLDG	OP-SUMR	154429	UCC submitted an OP-NOTIFY (Project No. 28317) to reference authorization of emissions for the two drum loading operations, E10AC3DRUMLDG and E10AC5DRUMLDG, under PBR No. 154429. This change does not result in change in the regulatory applicability. This OP-NOTIFY is being included for completeness purposes only.

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

Date: October 1, 2024
Permit No.: O1919
Regulated Entity No.: RN100219351
Company Name: Union Carbide Corporation

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
4	MS-C	NO	C09A032	OP-SUMR	160680	UCC submitted an OP-NOTIFY (Project No. 30242) to reference authorization of increased emissions at the flare, EPN E09A032, resulting from tank loading at the facility, under PBR No. 160680. This change does not result in change in the regulatory applicability. This OP-NOTIFY is included for completeness purposes only.
5	MS-C	NO	C09A032	OP-SUMR	164671	UCC submitted an OP-NOTIFY (Project No. 32225) to reference authorization for replacement of the flare tip for EPN E09A032 under Standard Permit No. 164671. This change does not result in change in the regulatory applicability. This OP-NOTIFY is included for completeness purposes only.
6	MS-C	NO	P10K100 P10K105 P10K114	OP-UA17	N/A	UCC is requesting the removal of excess attribute information in the OP-UA17 form. In addition, we are requesting the removal of three operating scenarios. All three of these sources operate with a TRE index greater than 8.0, therefore do not require control. There is no need for multiple operating scenarios. Deletions are struck through on the form OP-UA17.
7	MS-C	NO	Multiple	OP-PBRSUP	N/A	Please update the PBR Supplemental Table to include changes made since TCEQ revised the permit in April 2020 (Project #28425).

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

Date: October 1, 2024
Permit No.: O1919
Regulated Entity No.: RN100219351
Company Name: Union Carbide Corporation

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
8	MS-C	NO	C09A032 E10C060	OP-UA7	N/A	UCC is requesting an update to attribute information based on updates to the codes initiated by TCEQ. These updated codes will not revise the current applicability. Deletions are struck through while additions are bold and italicized. See OP-UA7.
9	MS-C	NO	P10AY106	OP-SUMR	N/A	UCC is requesting this source be eliminated from the current permit. The source was found to be duplicated in another UCC T5 permit. Please see strikethrough on OP-SUMR.

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

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation		Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit

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

Part 1

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

**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.
October 1, 2024	O1919	RN100219351

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
	4, 5	C09A032	OP-UA7 OP-UA15	TCO SITE FLARE		436 <i>106.261/11/01/2003 [142943, 160680] 106.262/11/01/2003 [106680] 106.475/09/04/2000 106.476/09/04/2000 164671</i>	
		C09A033	OP-UA7 OP-UA15	LGT FLARE		106.492/03/14/1997	
		D2010	OP-REQ2	COMPRESSOR LUBE OIL TANK		106.472/09/04/2000	
	3	E10AC3DRUMLDG	OP-REQ2	LPO-10 C3 DRUM LOADING		<i>106.261/11/01/2003 [154429] 106.262/11/01/2003 [154429]</i>	
	3	E10AC5DRUMLDG	OP-REQ2	LPO-10 C5 DRUM LOADING		<i>106.261/11/01/2003 [154429] 106.262/11/01/2003 [154429]</i>	
	2	E10C021	OP-UA4 OP-UA5 OP-UA15	STEAM SUPERHEATER		2466	
		E10C060	OP-UA7 OP-UA15	SYN GAS FLARE		2466 106.261/11/01/2003 106.476/09/04/2000	
		E10C062	OP-UA7	SYN GAS STARTUP FLARE A		2466 <i>106.261/11/01/2003 [156454]</i>	

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

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

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

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

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
		E10C063	OP-UA7	SYN GAS STARTUP FLARE B		2466 <i>106.261/11/01/2003 [156454]</i>	
		E10CCISTA	OP-REQ2	CORROSION INHIBITOR SOLUTION TANK A		106.532/09/04/2000	
		E10CCISTB	OP-REQ2	CORROSION INHIBITOR SOLUTION TANK B		106.532/09/04/2000	
		E10CCISTC	OP-REQ2	CORROSION INHIBITOR SOLUTION TANK C		106.532/09/04/2000	
		E10CNAST	OP-REQ2	NEUTRALIZING AMINE SOLUTION TANK		106.532/09/04/2000	
		E10COINC	OP-UA5 OP-UA15	OXO CO INCINERATOR		2466	
		E10COSST	OP-REQ2	OXYGEN SCAVENGER SOLUTION TANK		106.532/09/04/2000	
		F09A001	OP-UA12	OLEFINS FUGITIVES		436 <i>106.261/11/01/2003 [164526, 175521]</i>	
		F10A-01	OP-UA12	LPO10C3 PRODUCTION FUGITIVES		2467 <i>106.261/11/01/2003 [160800, 164528, 172028, 172287, 175410] 106.262/11/01/2003 [164528, 175410]</i>	

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.
October 1, 2024	O1919	RN100219351

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
		F10AC1101	OP-UA12	LPO10 ISOMER COLUMN FUGITIVES		2467 <i>106.261/11/01/2003 [164528]</i> <i>106.262/11/01/2003 [164528]</i>	
		F10AC3001	OP-UA12	LPO10C5 C3 PRODUCTION FUGITIVES		2467	
		F10AC5001	OP-UA12	LPO10C5 PRODUCTION FUGITIVES		2467 <i>106.261/11/01/2003 [164528]</i> <i>106.262/11/01/2003 [164528]</i>	
		F10C001	OP-UA12	SYN GAS UNIT FUGITIVES		2466 <i>106.261/11/01/2003 [71511,</i> <i>160803, 168506, 172004]</i>	
		F10C005	OP-UA12	MEA PROCESS - FUGITIVE EMISSION UNITS		2466	
		F10C5SOCL	OP-UA15 OP-UA17	OXO-11/C5 ISOMER COLUMN		2467 9085	
		F10K001	OP-UA12	LPO12 PRODUCTION FUGITIVES		9085 <i>106.261/11/01/2003 [151257,</i> <i>156310, 160804, 164536, 172032,</i> <i>175502]</i> <i>106.262/11/01/2003 [172288,</i> <i>175502]</i>	
		F10N001-01	OP-REQ2	CATALYTIC INCINERATOR FUGITIVES		2466 <i>106.261/11/01/2003 [156455]</i>	
		P10AE124	OP-REQ2	NO. 1 ISOMER COLUMN		9085	

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.
October 1, 2024	O1919	RN100219351

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
		P10ASTRIP	OP-REQ2	11 STRIPPER		2467	
D	9	P10AY106	OP-UA15	VPH REACTOR 3		2467	
		P10E2036	OP-UA15	C3 STABILIZER COLUMN		2467	
		P10IC2011	OP-UA15	C3 REACTOR		2467	
		P10IC2022	OP-UA15	C5 REACTOR		2467	
		P10ICATLD	OP-UA4	SPENT CATALYST LOADING		2467 9085	
		P10K100	OP-UA17	BUTANOL REFINING COLUMN		9085	
		P10K103	OP-REQ2	TPP COLUMN		9085	
		P10K104	OP-REQ2	VPH REACTOR 4		9085	
		P10K105	OP-UA17	POLISHING STILL		9085	
		P10K111	OP-REQ2	VPH REACTOR 1		9085	
		P10K112	OP-REQ2	ALDEHYDE COLUMN		9085	
		P10K114	OP-UA17	PROPANE COLUMN		9085	
		P10K12STRP	OP-REQ2	12 STRIPPER		9085	

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.
October 1, 2024	O1919	RN100219351

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
		P10L100	OP-REQ2	11 REACTOR		9085	
		P10L101	OP-REQ2	12 REACTOR		9085	
		P10L102	OP-REQ2	BUTANOL FORECOLUMN		9085	
		P10L104	OP-REQ2	OXO-12 STABILIZER COLUMN		9085	
		P10L108	OP-REQ2	BUBU REACTOR		9085	
		P10L109	OP-REQ2	VPH REACTOR 2		9085	
		PROFARMLGT	OP-UA57	FARM LGT PROCESS		436	
		PROLPO10	OP-UA57 OP-UA60	LPO 10 PROCESS		2467	
		PROLPO10C3	OP-UA57 OP-UA60	LPO 10C3 PROCESS		2467	
		PROLPO12	OP-UA57	LPO 12 PROCESS		9085	
		PROSYNGAS	OP-UA57	SYNGAS PROCESS		2466	
		T10A2600	OP-UA3	TANK 2600		2467	
		T10A2601	OP-UA3	TANK 2601		2467	
		T10A2610	OP-UA3	TANK 2610		2467	

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

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

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

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

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
		T10A2611	OP-UA3	TANK 2611		2467	
		T10A2612	OP-UA3	TANK 2612		2467	
		T10K2602B	OP-UA3	TANK 2602B		2467	
		T10K2620	OP-UA3	TANK 2620		9085	
		T10K2621	OP-UA3	TANK 2621		9085	
		T10K2622	OP-UA3	TANK 2622		9085	
		T10K2630	OP-UA3	TANK 2630		9085	
		T10K2631	OP-UA3	TANK 2631		9085	
		T10K2632A	OP-UA3	TANK 2632A		9085	
		T10K2632B	OP-UA3	TANK 2632B		9085	
		T10L2640	OP-UA3	TANK 2640		9085	
		T10L2641	OP-UA3	TANK 2641		9085	
		T10L2642	OP-UA3	TANK 2642		9085	
		T10L2643	OP-UA3	TANK 2643		9085	

**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.
October 1, 2024	O1919	RN100219351

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
		T10L2650	OP-UA3	TANK 2650		9085	
		T10L2651	OP-UA3	TANK 2651		9085	
		T10L2652	OP-UA3	TANK 2652		9085	
		T10L2653	OP-UA3	TANK 2653		9085	
		T17BMEATK	OP-UA3	MONOETHANOLAMINE TANK		48988	

**Texas Commission on Environmental Quality
Miscellaneous Unit Attributes
Form OP-UA1 (Page1)
Federal Operating Permit Program**

Date:	October 1, 2024
Permit No.:	O1919
Regulated Entity No.:	RN100219351

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
E10C024	63DDDDDD-04	EU				UCC is requesting generic high level applicability for 40 CFR 63, Subpart DDDDD (Boiler MACT).

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program**

**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
T10A2600	R5112-01	NO		VOC1	A1K-25K			
T10A2600	R5112-02	NO		VOC1	A1K-25K			
T10A2601	R5112-01	NO		VOC1	A1K-25K			
T10A2601	R5112-02	NO		VOC1	A1K-25K			
T10A2610	R5112-01	NO		VOC1	A25K-40K			
T10A2611	R5112-01	NO		VOC1	A25K-40K			
T10A2612	R5112-01	NO		VOC1	A25K-40K			
T10K2602B	R5112-01	NO		VOC1	A1K-25K			
T10K2602B	R5112-02	NO		VOC1	A1K-25K			
T10K2620	R5112-01	NO		VOC1	A25K-40K			
T10K2621	R5112-01	NO		VOC1	A25K-40K			
T10K2622	R5112-01	NO		VOC1	A25K-40K			
T10K2630	R5112-01	NO		VOC1	A25K-40K			

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program**

**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
T10K2631	R5112-01	NO		VOC1	A25K-40K			
T10K2632A	R5112-01	NO		VOC1	A1K-25K			
T10K2632B	R5112-01	NO		VOC1	A1K-25K			
T10L2640	R5112-01	NO		VOC1	A25K-40K			
T10L2641	R5112-01	NO		VOC1	A25K-40K			
T10L2642	R5112-01	NO		VOC1	A25K-40K			
T10L2643	R5112-01	NO		VOC1	A25K-40K			
T10L2650	R5112-01	NO		VOC1	A1K-25K			
T10L2651	R5112-01	NO		VOC1	A25K-40K			
T10L2652	R5112-01	NO		VOC1	A25K-40K			
T10L2653	R5112-01	NO		VOC1	A25K-40K			
T17BMEATK	R5112-01	NO		VOC1	A1K-25K			

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program**

**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
T10A2600	R5112-01		NONE1	1-				
T10A2600	R5112-02		SPVRS1	1.5+A			FLARE	E10C060
T10A2601	R5112-01		NONE1	1-				
T10A2601	R5112-02		SPVRS1	1.5+A			FLARE	E10C060
T10A2610	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10A2611	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10A2612	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2602B	R5112-01		NONE1	1-				
T10K2602B	R5112-02		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2620	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2621	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program**

**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
T10K2622	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2630	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2631	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2632A	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10K2632B	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10L2640	R5112-01		NONE1	1-				
T10L2641	R5112-01		SPVRS1	1.5+A			FLARE	E10C060 C09A032
T10L2642	R5112-01		NONE1	1-				
T10L2643	R5112-01		NONE1	1-				
T10L2650	R5112-01		NONE1	1-				
T10L2651	R5112-01		NONE1	1-				

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program**

**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
T10L2652	R5112-01		NONE1	1-				
T10L2653	R5112-01		NONE1	1-				
T17BMEATK	R5112-01		NONE1	1-				

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 13)
Federal Operating Permit Program**

**Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	MACT Subpart F/G Applicability	NESHAP Subpart Y Applicability	NSPS Subpart Kb Applicability	Maximum TVP	Emission Control Type	AMOC ID No.
T10A2610	63G-01	YES	NO		11.11-	CVS-CD	
T10A2611	63G-01	YES	NO		11.11-	CVS-CD	
T10A2612	63G-01	YES	NO		11.11-	CVS-CD	
T10K2602B	63G-01	YES	NO		11.11-	CVS-CD	
T10K2620	63G-01	YES	NO		11.11-	CVS-CD	

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 14)
Federal Operating Permit Program**

**Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Seal Type	Closed Vent System	Hard Piping	Bypass Lines	Control Device Type	Control Device ID No.	Control Device Design	Design Evaluation Submitted
T10A2610	63G-01		SUBPTG	YES	NONE	FLARE	E10C060 C09A032		
T10A2611	63G-01		SUBPTG	YES	NONE	FLARE	E10C060 C09A032		
T10A2612	63G-01		SUBPTG	YES	NONE	FLARE	E10C060 C09A032		
T10K2602B	63G-01		SUBPTG	YES	NONE	FLARE	E10C060 C09A032		
T10K2620	63G-01		SUBPTG	YES	NONE	FLARE	E10C060 C09A032		

**Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program**

**Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
P10ICATLD	R5211-01	OTHER	NONE		VOC1	LOAD	0.5-		
P10ICATLD	R5211-02	OTHER	NONE		VOC1	LOAD	0.5+	NCE2	CON

**Loading/Unloading Operations Attributes
Form OP-UA4 (Page 2)
Federal Operating Permit Program**

**Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
P10ICATLD	R5211-02	FLARE	C09A032 E10C060	YES				

**Process Heater/Furnace Attributes
Form OP-UA5 (Page 1)
Federal Operating Permit Program**

**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Unit Type	Maximum Rated Capacity	RACT Date Placed in Service	Functionally Identical Replacement	Fuel Type(s)			Annual Heat Input	NOx Emission Limitation	Opt-In Unit	23C-Option
E10C021	R7ICI-01	PRHTR	2-40			NG				ACF		

**Process Heater/Furnace Attributes
Form OP-UA5 (Page 2)
Federal Operating Permit Program**

**Table 1b: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Diluent CEMS	30 TAC Chapter 116 Limit	NOx Emission Limit Basis	NOx Reduction	Common Stack Combined	Fuel Type Heat Input	NOx Monitoring System
E10C021	R7ICI-01	NO		OTHER	NONE			MERT

**Process Heater/Furnace Attributes
Form OP-UA5 (Page 3)
Federal Operating Permit Program**

**Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH3 Emission Limitation	NH3 Monitoring
E10C021	R7ICI-01	X40A	310C	OTHER		

**Process Heater/Furnace Attributes
Form OP-UA5 (Page 10)
Federal Operating Permit Program**

**Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
<i>E10C021</i>	<i>63DDDDD-01</i>	<i>EXIST</i>	<i>T3.1TS</i>		

**Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program**

**Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
C09A032	R1111-01	NO	NO			
C09A033	R1111-01	NO	NO			
E10C060	R1111-01	NO	NO			
E10C062	R1111-01	NO	NO			
E10C063	R1111-01	NO	NO			

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

**Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
C09A032	60A-01	YES	YES	STEAM	60-	
C09A033	60A-01	YES	YES	AIR		
E10C060	60A-01	YES	YES	STEAM	60-	

**Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program**

**Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
C09A032	63A-01	YES	YES	STEAM	60-	
E10C060	63A-01	YES	YES	STEAM	60-	

**Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 5)
Federal Operating Permit Program**

**Table 5a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Out of Service	Total Gas Stream	Gas Stream Concentration	Exempt Date	Alternative Monitoring Approach	Modifications to Testing/Monitoring	Modifications to Testing/Monitoring ID No.	Flare Type
C09A032	R5270-01	NO	YES	YES		NO OTHER	NO NONE		OTHER
E10C060	R5270-01	NO	YES	YES		NO OTHER	NO NONE		OTHER

**Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 6)
Federal Operating Permit Program**

**Table 5b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Monitoring Requirements	§115.725(e) Requirements	Multi-Purpose Usage	Flow Rate	Physical Seal	Monitoring Option	§115.725(h)(4) Alternative	Tank Service
C09A032	R5270-01								NO
E10C060	R5270-01								NO

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 11)
Federal Operating Permit Program**

**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP/GOP Index No.	Title 30 TAC § 115.352 Applicable	< 250 Components at Site	Weight Percent VOC	Reciprocating Compressors or Positive Displacement Pumps
F09A001	R5352-ALL				
F10A-01	R5352-ALL				
F10AC1101	R5352-ALL				
F10AC3001	R5352-ALL				
F10AC5001	R5352-ALL				
F10C001	R5352-ALL				
F10C005	R5352-ALL				
F10K001	R5352-ALL				

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 32)
Federal Operating Permit Program**

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

**Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction,
or Modification Commenced After January 5, 1981, and on or Before November 7, 2006
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Produces Chemicals	Affected Facility	Construction/ Modification Date	Compliance Option	Design Capacity	Produces Heavy Liquid Chemicals	Beverage Alcohol Production
F10K001	60VV-ALL							

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 70)
Federal Operating Permit Program**

**Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Equipment Type	Non Research and Development/Batch Processes	Vacuum Service	Less Than 300 Operating Hours	Heavy Liquid Service	AMEL
F09A001	63H-ALL						
F10A-01	63H-ALL						
F10C001	63H-ALL						

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 75)
Federal Operating Permit Program**

**Table 9f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Title 40 CFR Part 63, Subpart H Fugitive Unit Components						
		Closed-Vent System						
		Any	Recovery or Recapture Devices	Control Device ID No.	Enclosed Combustion Devices	Control Device ID No.	Flares	Control Device ID No.
F09A001	63H-ALL	YES	NO		NO		YES	E10C060 C09A032
F10A-01	63H-ALL	YES	NO		NO		YES	E10C060 C09A032
F10C001	63H-ALL	YES	NO		NO		YES	E10C060 C09A032

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 76)
Federal Operating Permit Program**

**Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID No.	SOP Index No.	Bypass Lines	Unsafe To Inspect	Difficult To Inspect	Employee Number	Title 40 CFR Part 63, Subpart H Fugitive Unit Description
F09A001	63H-ALL	NO	NO	YES	NO	SAME
F10A-01	63H-ALL	NO	NO	YES	NO	SAME
F10C001	63H-ALL	NO	NO	YES	NO	SAME

**Fugitive Emission Unit Attributes
Form OP-UA12 (Page 138)
Federal Operating Permit Program**

**Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Unit ID. No.	SOP/GOP Index No.	Title 30 TAC § 115.780 Applicable	Less Than 250 Components at Site	Weight Percent HRVOC	Title 30 TAC Chapter 115 Fugitive Unit Components		
					Pumps with Shaft Seal System	Compressors with Shaft Seal System	Agitators with Shaft Seal System
F09A001	R5780-ALL						
F10A-01	R5780-ALL						
F10K001	R5780-ALL						

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
E10C021	R1111-01	NO		OTHER	NONE	72+	100-
E10COINC	R1111-01	NO		OTHER	NONE	72+	100-

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 3)
Federal Operating Permit Program

Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
C09A032	R5121-01	NO	NO	DISTOPER				
C09A033	R5121-01	NO	NO	REGVAPPL				
E10C060	R5121-01	NO	NO	REGVAPPL				

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 4)
Federal Operating Permit Program

Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
C09A032	R5121-01	NONE		FLARE	C09A032
C09A033	R5121-01	NONE		FLARE	C09A033
E10C060	R5121-01	NONE		FLARE	E10C060

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 5)
Federal Operating Permit Program

Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP Index No.	Total Design Capacity	Flow Rate/Concentration	40 CFR Part 60, Subpart NNN Requirements	40 CFR Part 60, Subpart RRR Requirements
C09A032	R5121-01	1100+	500+	NO	NO

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 13)
Federal Operating Permit Program

Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP Index No.	Overlap	Group 1	Regulation	HAP Concentration	Flow Rate	Electing Control	NSPS TRE Index Value	MACT TRE Index Value	Plant Type
F10C5SOCL	63G-01	NNN	YES							
P10E2036	63G-01	NONE	YES							
P10IC2011	63G-01	RRR	YES							
P10IC2022	63G-01	NONE	YES							

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 14)
Federal Operating Permit Program

Table 6b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart G: National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP Index No.	Control Device	Control Device ID No.	Halogenated	TRE for Halogenated Vent Stream	Halogen Reduction Device	Installation Date	Performance Test
F10C5SOCL	63G-01	FLARE	E10C060 C09A032	NO				YES
P10E2036	63G-01	FLARE	E10C060 C09A032	NO				YES
P10IC2011	63G-01	FLARE	E10C060 C09A032	NO				YES
P10IC2022	63G-01	FLARE	E10C060 C09A032	NO				YES

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 15)
Federal Operating Permit Program

Table 6c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
October 1, 2024	O1919	RN100219351

Emission Point ID No.	SOP Index No.	Alternate Monitoring Parameters (AMP)	AMP ID No.	Continuous Monitoring	Continuous Monitoring Alt ID No.	Bypass Lines	Flow Indicator
F10C5SOCL	63G-01	NO		NOALT		NO	
P10E2036	63G-01	NO		NOALT		NO	
P10IC2011	63G-01	NO		NOALT		NO	
P10IC2022	63G-01	NO		NOALT		NO	

**Texas Commission on Environmental Quality
Distillation Unit Attributes
Form OP-UA17 (Page 1)
Federal Operating Permit Program**

**Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI)
Distillation Operations**

Date:	October 1, 2024
Permit No.:	O1919
Regulated Entity No.:	RN100219351

Unit ID No.	SOP Index No.	Subpart NNN Chemicals	Construction/Modification Date	Vent Type	Distillation Unit Type	Total Design Capacity	Vent Stream Flow Rate
P10K100	60NNN-01	YES	83+	VRS	NONE	1+	8+
P10K100	60NNN-02	YES	83+	VRS	NONE	1+	8+
P10K105	60NNN-01	YES	83+	VRS	NONE	1+	8+
P10K105	60NNN-02	YES	83+	VRS	NONE	1+	8+
P10K114	60NNN-01	YES	83+	VRS	NONE	1+	8+
P10K114	60NNN-02	YES	83+	VRS	NONE	1+	8+

Texas Commission on Environmental Quality
Distillation Unit Attributes
Form OP-UA17 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI)
Distillation Operations

Date:	October 1, 2024
Permit No.:	O1919
Regulated Entity No.:	RN100219351

Unit ID No.	SOP Index No.	Total Resource Effectiveness	TOC Reduction	Subpart NNN Control Device	ACT ID No.	Subpart NNN Control Device ID No.	Emission Point ID No(s).		Organic Monitoring Device
P10K100	60NNN-01	8+B		FLARE		E10C060 C09A032	E10C060	C09A032	
P10K100	60NNN-02	8+B		BPH44+		E02B030	E02B030		
P10K105	60NNN-01	8+B	NO	FLARE		C09A032	C09A032		
P10K105	60NNN-02	8+B	YES	BPH44+		E02B030	E02B030		
P10K114	60NNN-01	8+B		FLARE		E10C060 C09A032	E10C060	C09A032	
P10K114	60NNN-02	8+B		BPH44+		E02B030	E02B030		

**Cleaning/Depainting Operation Attributes
Form OP-UA57 (Page 7)
Federal Operating Permit Program**

**Table 2: Title 30 Texas Administrative Code Chapter 115 (30TAC Chapter 115)
Subchapter E: Industrial Cleaning Solvents**

Date: October 1, 2024	Permit No.: O1919	Regulated Entity No.: RN100219351
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		Customer Reference No.: CN601688781

Process ID No.	SOP Index No.	Exemptions	Alternate Control Requirement	ACR ID No.	Compliance Demonstration	Minor Modification	Minor Modification ID No.	Vapor Recovery	Emission Control
PROFARMLGT	R5640-01	NONE	NONE		VOC	NO			
PROFARMLGT	R5640-02	NONE	NONE		VAP	NO			
PROLPO10	R5640-01	NONE	NONE		VOC	NO			
PROLPO10	R5640-02	NONE	NONE		VAP	NO			
PROLPO10C3	R5640-01	NONE	NONE		VOC	NO			
PROLPO10C3	R5640-02	NONE	NONE		VAP	NO			
PROLPO12	R5640-01	NONE	NONE		VOC	NO			
PROLPO12	R5640-02	NONE	NONE		VAP	NO			
PROSYNGAS	R5640-01	NONE	NONE		VOC	NO			
PROSYNGAS	R5640-02	NONE	NONE		VAP	NO			

Form OP-UA60 (Page 1)
Federal Operating Permit Program

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

Subpart F: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry

Date: October 1, 2024	Permit No.: O1919	Regulated Entity No.: RN100219351
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		Customer Reference No.: CN601688781

Process ID No.	SOP Index No.	Applicable Chemicals	Table 2 HAP	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	Heat Exchange System	Cooling Water Pressure
PROLPO10	63F-01	YES	YES	NO		YES	NO
PROLPO10C3	63F-01	YES	YES	NO		YES	NO

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart F: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry

Date: October 1, 2024	Permit No.: O1919	Regulated Entity No.: RN100219351
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		Customer Reference No.: CN601688781

Process ID No.	SOP Index No.	Intervening Cooling Fluid	Table 4 HAP Content	NPDES Permit	Meets 40 CFR § 63.104(a)(4)(i) - (iv)	Table 9 HAP Content	Cooling Water Monitored
PROLPO10	63F-01	NO	NO	NO	NO	NO	YES
PROLPO10C3	63F-01	NO	NO	NO	NO	NO	YES

Permit By Rule Supplemental Table
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
October 1, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
C09A032	142943	106.261	12/07/2016
C09A032	160680	106.261 106.262	04/02/2020
E10AC3DRUMLDG	154429	106.261 106.262	01/25/2019
E10AC5DRUMLDG	154429	106.261 106.262	01/25/2019
E10C062	156454	106.261	05/20/2019
E10C063	156454	106.261	05/20/2019
F09A001	164526 175521	106.261	04/16/2021 03/04/2024
F10A-01	160800 172028 172287	106.261	04/17/2020 03/17/2023 04/04/2023
F10A-01	164528 175410	106.261 106.262	04/16/2021 02/19/2024
F10AC5001	164528	106.261 106.262	04/16/2021
F10AC1101	164528	106.261 106.262	04/16/2021

Permit By Rule Supplemental Table
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
October 1, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
F10C001	71511 160803 168506 172004	106.261	04/15/2004 04/17/2020 04/15/2022 04/04/2023
F10K001	151257 156310 160804 164536 172032	106.261	05/08/2018 04/17/2019 04/28/2020 04/12/2021 03/15/2023
F10K001	172288	106.262	03/23/2023
F10K001	175502	106.261 106.262	03/12/2024
F10N001-01	156455	106.261	05/21/2019

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date
D2010	<i>106.476</i> 106.472	<i>09/04/2000</i> 09/04/2000
N/A	106.532	09/04/2000
N/A	106.532	09/04/2000
C09A032	106.475	09/04/2000
C09A032	106.476	09/04/2000
C09A032	106.476	09/04/2000
C09A033	106.492	03/14/1997
E10C060	106.476	09/04/2000
E10C060	106.476	09/04/2000
<i>E10CCISTA</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>E10CCISTB</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>E10CCISTC</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>E10CNAST</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>E10COSST</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>PROFARMLGT</i>	<i>106.263</i>	<i>11/01/2001</i>

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date
<i>PROLPO10C3</i>	<i>106.263</i>	<i>11/01/2001</i>
<i>PROLPO10</i>	<i>106.263</i>	<i>11/01/2001</i>
<i>PROLPO12</i>	<i>106.263</i>	<i>11/01/2001</i>
<i>PROSYNGAS</i>	<i>106.263</i>	<i>11/01/2001</i>
<i>REFRIGERATION SYSTEMS</i>	<i>106.373</i>	<i>09/04/2000</i>
T10K12CHT	106.475	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
October 1, 2024	O1919	RN100219351

PBR No.	Version No./Date
N/A	N/A

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
C09A032	106.261	142943	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
C09A032	106.261 106.262	160580	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
C09A032	106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.
C09A032	106.476	09/04/2000	Maintain records of tank service.
<i>C09A033</i>	<i>106.492</i>	<i>03/14/1997</i>	<i>Flare will continue to meet the monitoring and recordkeeping requirements for minimum heat net heating value and exit velocity per 106.492(1)(A).</i>
D2010	106.472	09/04/2000	Maintain records of tank service. Note - this tank is a non-emitting source therefore records of tank service are all that are required.
<i>D2010</i>	<i>106.476</i>	<i>09/04/2000</i>	<i>Maintain records of tank service.</i>
E10AC3DRUMLDG	106.261 106.262	154429	Maintain records of drumming throughput.
E10AC5DRUMLDG	106.261 106.262	154429	Maintain records of drumming throughput.
E10C060	106.476	09/04/2000	Maintain records of tank service.
E10C063	106.261	156454	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2466 SC 12 and 20 for hours of operation, minimum net heating value, and exit velocity.

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
<i>E10CCISTA</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain records of the functions performed at the facility to ensure compliance with 106.532(1).</i>
<i>E10CCISTB</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain records of the functions performed at the facility to ensure compliance with 106.532(1).</i>
<i>E10CCISTC</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain records of the functions performed at the facility to ensure compliance with 106.532(1).</i>
<i>E10CNAST</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain records of the functions performed at the facility to ensure compliance with 106.532(1).</i>
<i>E10COSST</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain records of the functions performed at the facility to ensure compliance with 106.532(1).</i>
F09A001	106.261	164526 175521	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
F10A-01	106.261	160800 172028 172287	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261 106.262	164528 175410	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10AC5001	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10AC5001	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10AC1101	106.261 106.262	164528	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10C001	106.261	71511 160803 168506 172004	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10K001	106.261	151257 156310	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	160804 164536 172032	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.262	172288	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.261 106.262	175502	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10N001-01	106.261	156455	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
N/A	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
N/A	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).

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
October 1, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
<i>PROFARMLGT</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Maintain PBR documentation of tracking emissions on a rolling 12-month basis.</i>
<i>PROLPO10C3</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Maintain PBR documentation of tracking emissions on a rolling 12-month basis.</i>
<i>PROLPO10</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Maintain PBR documentation of tracking emissions on a rolling 12-month basis.</i>
<i>PROLPO12</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Maintain PBR documentation of tracking emissions on a rolling 12-month basis.</i>
<i>PROSYNGAS</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Maintain PBR documentation of tracking emissions on a rolling 12-month basis.</i>
<i>REFRIGERATION SYSTEMS</i>	<i>106.373</i>	<i>09/04/2000</i>	<i>Maintain PBR documentation of the refrigerants.</i>
T10K12CHT	106.475	09/04/2000	Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.

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

Date:	October 1, 2024
Permit No.:	O1919
RN No.:	RN100219351

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 1		
I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter		
A. Visible Emissions		
◆	1. The application area includes stationary vents constructed on or before January 31, 1972.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The application area includes stationary vents constructed after January 31, 1972. <i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.</i> <i>If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	<input checked="" 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 <input type="checkbox"/> N/A

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

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

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

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III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)	
C. Industrial Wastewater	
<p>1. The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. <i>If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.</i></p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>2. The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. <i>If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>3. The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). <i>If the response to Question III.C.3 is "YES," go to Section III.D.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>4. The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). <i>If the response to Question III.C.4 is "YES," go to Section III.D.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Loading and Unloading of VOCs	
<p>◆ 1. The application area includes VOC loading operations.</p>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<p>◆ 2. The application area includes VOC transport vessel unloading operations. <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i></p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)	
D. Loading and Unloading of VOCs (continued)	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>3. Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. <i>If the response to Question III.E.1 is "NO," go to Section III.F.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. 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.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>3. All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. <i>If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>4. The application area is located in a covered attainment county as defined in 30 TAC § 115.10. <i>If the response to Question III.E.4 is "NO," go to Question III.E.9.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>5. Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>6. Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>7. At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. <i>If the response to Question III.E.7 is "YES," go to Section III.F.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)		
E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)		
◆	<p>8. At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)		
◆	<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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

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

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

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III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)		
L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)		
◆	3. Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	4. Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	5. Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input type="checkbox"/> YES <input 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 <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 <input type="checkbox"/> N/A
M. Petroleum Dry Cleaning Systems		
	1. The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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

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IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds	
A. Applicability	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.</i> <i>For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.</i> <i>For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.</i> <i>For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i></p> </div> <div style="width: 15%; text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>3. The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included.</i> <i>If the response to Question IV.A.3 is "YES," go to Question IV.G.1.</i> <i>If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
B. Utility Electric Generation in Ozone Nonattainment Areas	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.</p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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

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IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)	
F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>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.</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>6. The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i></p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>7. An ACSS for carbon monoxide (CO) has been approved?</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>8. An ACSS for ammonia (NH₃) has been approved?</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
	<p>9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.</p>
G. Utility Electric Generation in East and Central Texas	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>1. The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i></p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>2. The application area is complying with the System Cap in 30 TAC § 117.3020.</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
H. Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>1. The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. <i>If the response to question IV.H.1 is "NO," go to Section V.</i></p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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

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

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

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>5. One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). <i>For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>3. The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.</i></p> </div> <div style="width: 15%;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions (continued)	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <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> </div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
◆	<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>
F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <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> </div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <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> </div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <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> </div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>2. The application area includes storm water sewer systems.</p> </div> <div style="width: 20%; text-align: right;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>

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

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

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

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006

◆	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4.	The application area includes at least one air curtain incinerator. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
E. Subpart M - National Emission Standard for Asbestos (continued)	
<i>Fabricating Commercial Asbestos (continued)</i>	
f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	<input type="checkbox"/> YES <input type="checkbox"/> NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Non-sprayed Asbestos Insulation</i>	
6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Asbestos Conversion</i>	
7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	
1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations	
1. The application area is located at a benzene production facility and/or bulk terminal. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	<input type="checkbox"/> YES <input 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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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)	
3. The application area includes benzene transfer operations at railcar loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
H. Subpart FF - National Emission Standard for Benzene Waste Operations	
<i>Applicability</i>	
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). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input 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). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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

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

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

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

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

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning

- | | |
|---|---|
| 1. The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 3. The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins

- | | |
|--|---|
| 1. The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units.
<i>If the response to Question VIII.J.1 is "NO," go to Section VIII.K.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U.
<i>If the response to Question VIII.J.2 is "NO," go to Section VIII.K.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 4. The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482. | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
Applicability (continued)	
<p>3. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>4. The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)	
<p>15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

- | | |
|---|---|
| 53. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 54. The application area contains a cyanide chemicals manufacturing process.
<i>If the response to Question VIII.W.54 is "NO," go to Section VIII.X.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 55. The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile. | <input type="checkbox"/> YES <input type="checkbox"/> NO |

X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

- | | |
|--|---|
| 1. The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ.
<i>If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units.
<i>If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3. All process wastewater streams generated or managed in the application area are from sources producing polystyrene.
<i>If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 4. All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN.
<i>If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	
1. The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Z. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.	
◆ 1. The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)	
1. The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	<input 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. <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. <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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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
5. The application area includes process wastewater streams. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
<p>13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>15. Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>19. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<p>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.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities	
1. The application area is located at a site that is an area source of HAPs. <i>If the answer to Question EE.1 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	<input type="checkbox"/> YES <input 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. <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. <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. <i>If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The bulk gasoline terminal loads gasoline into railcar cargo tanks. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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Form OP-REQ1: Page 76	
IX. Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions	
A. Applicability	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.</div> <div style="width: 15%; text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone	
A. Subpart A - Production and Consumption Controls	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
B. Subpart B - Servicing of Motor Vehicle Air Conditioners	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
D. Subpart D - Federal Procurement	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. The application area is owned/operated by a department, agency, or instrumentality of the United States.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
E. Subpart E - The Labeling of Products Using Ozone Depleting Substances	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">1. The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;">3. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.</div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>

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

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XI. Miscellaneous (continued)	
B. Forms	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. <i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i></p> </div> <div style="width: 20%;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </div> </div>
◆	<p>2. Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. 40 CFR 63, Subpart DDDDD</p>
C. Emission Limitation Certifications	
◆	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>1. The application area includes units for which federally enforceable emission limitations have been established by certification.</p> </div> <div style="width: 20%;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO </div> </div>
D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.</p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>3. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i></p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 75%;"> <p>4. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i></p> </div> <div style="width: 20%;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </div> </div>

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XI. Miscellaneous (continued)	
E. Title IV - Acid Rain Program	
1. The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	<input 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
F. 40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_x Ozone Season Group 2 Trading Program	
1. The application area includes emission units subject to the requirements of the CSAPR NO _x Ozone Season Group 2 Trading Program. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	<input 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 _x 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 _x , 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 _x , 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 _x 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 _x and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes emission units that qualify for the CSAPR NO _x Ozone Season Group 2 retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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XI. Miscellaneous (continued)	
G. 40 CFR Part 97, Subpart FFFFF - Texas SO₂ Trading Program	
1. The application area includes emission units complying with the requirements of the Texas SO ₂ Trading Program. <i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO ₂ and 40 CFR Part 75, Subpart H for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO ₂ and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO ₂ and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO ₂ and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes emission units that qualify for the Texas SO ₂ Trading Program retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Permit Shield (SOP Applicants Only)	
1. A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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

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XI. Miscellaneous (continued)		
J. Title 30 TAC Chapter 101, Subchapter H (continued)		
◆	4. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO _x .	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	6. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	<input 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
K. Periodic Monitoring		
◆	1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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Form OP-REQ1: Page 83		
XI. Miscellaneous (continued)		
L. Compliance Assurance Monitoring		
◆	<p>1. The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. <i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	<p>2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>3. 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
◆	<p>4. The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<p>5. 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
	<p>6. Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.</p>	
◆	<p>7. At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>8. All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)			
E. PSD Permits and PSD Major Pollutants			
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
◆ H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area			
Authorization No.: 2466	Issuance Date: 05/25/2018 Issuance Date: 08/22/2022	Authorization No.: 2467	Issuance Date: 11/01/2017 Issuance Date: 10/16/2020
Authorization No.: 436	Issuance Date: 09/02/2016 Issuance Date: 08/22/2022	Authorization No.: 48988	Issuance Date: 02/17/2015
Authorization No.: 9085	Issuance Date: 06/07/2016 Issuance Date: 09/27/2024	Authorization No.: 164671	Issuance Date: 04/21/2021
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
◆ I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.373	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.476	Version No./Date: 09/04/2000
PBR No.: 106.478	Version No./Date: 09/04/2000
PBR No.: 106.492	Version No./Date: 03/14/1997
PBR No.: 106.492	Version No./Date: 09/04/2000
PBR No.: 106.532	Version No./Date: 09/04/2000
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		D2010	OP-UA3 OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		D2010	OP-UA3 OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.
		E10AC3DRUMLDG	OP-REQ2	30 TAC Chapter 115, Loading and Unloading of VOC	115.10(46)	Does not meet the definition of a transport vessel per 115.10(46) because it is not equipped with a storage tank having capacity greater than 1,000 gallons.
		E10AC5DRUMLDG	OP-REQ2	30 TAC Chapter 115, Loading and Unloading of VOC	115.10(46)	Does not meet the definition of a transport vessel per 115.10(46) because it is not equipped with a storage tank having capacity greater than 1,000 gallons.
		E10C021	OP-UA5	30 TAC Chapter 115, Vent Gas Controls	115.127(a)(7)	Combustion units not operating as control devices for VOC vent gas streams are not subject to this subpart.
		E10C021	OP-UA5	40 CFR Part 60, Subpart D	60.40(a)	The maximum rated heat input capacity for this combustion device is less than the applicability limit for this section of 250 MM Btu/hr.
		E10C062	OP-UA7	40 CFR Part 60, Subpart A	60.18(a)	The referenced flare is not used to comply with any section of 40 CFR 60.
		E10C063	OP-UA7	40 CFR Part 60, Subpart A	60.18(a)	The referenced flare is not used to comply with any section of 40 CFR 60.
		E10CCISTA	OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		E10CCISTA	OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.

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		E10CCISTB	OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		E10CCISTB	OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.
		E10CCISTC	OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		E10CCISTC	OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.
		E10CNAST	OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		E10CNAST	OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.
		E10COINC	OP-UA15	30 TAC Chapter 115, Vent Gas Controls	115.127(a)(7)	Combustion units not operating as control devices for VOC vent gas streams are not subject to this subpart.
		E10COSST	OP-REQ2	30 TAC Chapter 115, Storage of VOCs	115.111(a)(8)	This tank capacity is less than 1,000 gallons.
		E10COSST	OP-REQ2	40 CFR Part 60, Subpart Kb	60.110b(a)	This tank was constructed after July 23, 1984 and the capacity is less than 19,800 gallons.
		F09A001		40 CFR Part 60, Subpart VV	63.160(c)(1)	MACT H fugitive requirements supersede NSPS fugitive requirements.
		F10A-01	OP-UA12	40 CFR Part 60, Subpart VV	63.160(c)(1)	MACT H fugitive requirements supersede NSPS fugitive requirements.
		F10A-01	OP-UA12	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10A-01	OP-UA12	40 CFR Part 61, Subpart V	61.240(a)	The facility does not operate in VHAP service.

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		F10AC5001	OP-UA12	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10AC5001	OP-UA12	40 CFR Part 61, Subpart VV	60.489	The application area does not produce as an intermediate or final product, any of the chemicals listed in 60.489.
		F10AC5001	OP-UA12	40 CFR Part 63, Subpart H	63.161	The referenced fugitive components do not operate in organic hazardous air pollutant service, as defined in 63.161.
		F10C001	OP-UA12	40 CFR Part 60, Subpart VV	60.489	The application area does not produce as an intermediate or final product, any of the chemicals listed in 60.489
		F10C001	OP-UA12	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10C001	OP-UA12	40 CFR Part 61, Subpart V	61.240(a)	None of the components grouped under this fugitive EPN operate in VHAP service, as defined in 61.240(a)
		F10C005	OP-UA12	40 CFR Part 60, Subpart VV	60.489	The application area does not produce as an intermediate or final product, any of the chemicals listed in 60.489.
		F10C005	OP-UA12	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10C005	OP-UA12	40 CFR Part 61, Subpart V	61.240(a)	None of the components grouped under this fugitive EPN operate in VHAP service, as defined in 61.240(a).

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		F10C005	OP-UA12	40 CFR Part 63, Subpart H	63.160(a)	The referenced fugitive components do not operate in organic hazardous air pollutant service, as defined in 63.161.
		F10C5SOCL	OP-UA17	40 CFR Part 60, Subpart NNN	63.110(d)(4)	NSPS NNN provisions are superseded by MACT G Group 1 process vent provisions.
		F10K001	OP-UA12	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10K001	OP-UA12	40 CFR Part 61, Subpart V	61.240(a)	The facility does not operate in VHAP service.
		F10K001	OP-UA12	40 CFR Part 63, Subpart H	63.160(a)	The facility is not intended to operate in organic HAP services.
		F10N001-01	OP-REQ2	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	115.357(1)	Process does not contain VOCs.
		F10N001-01	OP-REQ2	40 CFR Part 60, Subpart V	61.240(a)	None of the components grouped under this fugitive EPN operate in VHAP service, as defined in 61.240(a).
		F10N001-01	OP-REQ2	40 CFR Part 60, Subpart VV	60.489	The application area does not produce as an intermediate or final produce, any of the chemicals listed in 60.489.
		F10N001-01	OP-REQ2	40 CFR Part 61, Subpart J	61.110(c)(3)	None of the components grouped under this fugitive EPN operate in benzene service, as defined in 61.111.
		F10N001-01	OP-REQ2	40 CFR Part 63, Subpart F	63.100(b)(1)	None of the units in this application manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1)(i) or (b)(1)(ii) of this subpart.

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		F10N001-01	OP-REQ2	40 CFR Part 63, Subpart H	63.160(a)	The referenced fugitive components do not operate in organic hazardous air pollutant service, as defined in 63.161.
		P10AE124	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/1983
		P10ASTRIP	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83
		P10E2036	OP-UA15	40 CFR Part 60, Subpart NNN	63.110(d)(4)	40 CFR 60, Subpart NNN regulation superseded by HON G regulations.
		P10IC2011	OP-UA15	40 CFR Part 60, Subpart RRR	63.110(d)(4)	NSPS RRR provisions are superseded by MACT G Group 1 process vent provisions.
		P10IC2022	OP-UA15	40 CFR Part 60, Subpart RRR	63.110(d)(4)	NSPS RRR provisions are superseded by MACT G Group 1 process vent provisions.
		P10ICATLD	OP-UA3	40 CFR Part 63, Subpart G	63.100(f)(11)	Intended to operate in organic hazardous air pollutant service for less than 300 hours during the calendar year.
		P10K103	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83
		P10K104	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date is before 06/26/1990.
		P10K111	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date before 06/29/1990.
		P10K112	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83
		P10K12STRP	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		P10L100	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date before 06/29/1990.
		P10L101	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date before 06/29/1990.
		P10L102	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83
		P10L104	OP-REQ2	40 CFR Part 60, Subpart NNN	60.660(b)	Construction date before 12/30/83
		P10L108	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date before 06/29/1990.
		P10L109	OP-REQ2	40 CFR Part 60, Subpart RRR	60.700(b)	Construction date before 06/29/1990.
		PROLPO12	OP-REQ2 OP-UA57	40 CFR Part 63, Subpart F	63.100(a)(1)	Process unit does not manufacture as a primary product one or more of the chemicals listed in 63.100(b)(1)(i) or 63.100(b)(1)(ii).
		T10A2600	OP-UA3	40 CFR Part 60, Subpart K	60.110(a)	Maximum rate capacity < 40,000 gallons and constructed after June 11, 1973 and before May 19, 1978.
		T10A2600	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10A2601	OP-UA3	40 CFR Part 60, Subpart Kb	60.110b(a)	Maximum rate capacity < 40,000 gallons and constructed after July 23, 1984.
		T10A2601	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10A2610	OP-UA3	40 CFR Part 60, Subpart Kb	60.110b(a)	Maximum rate capacity < 40,000 gallons and constructed after July 23, 1984.

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October 1, 2024	O1919	RN100219351

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		T10K2602B	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2620	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2621	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2621	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of HON chemical manufacturing process unit.
		T10K2622	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2622	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of HON chemical manufacturing process unit.
		T10K2630	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2630	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of HON chemical manufacturing process unit.
		T10K2631	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2631	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of HON chemical manufacturing process unit.

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		T10K2632A	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rated capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2632A	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10K2632B	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10K2632B	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2640	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2640	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2641	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2641	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of HON chemical manufacturing process unit.
		T10L2642	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2642	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2643	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		T10L2643	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2650	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2650	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2651	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2651	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2652	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2652	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T10L2653	OP-UA3	40 CFR Part 60, Subpart Ka	60.110a(a)	Maximum rate capacity < 40,000 gallons and constructed after May 18, 1978 and before July 23, 1984.
		T10L2653	OP-UA3	40 CFR Part 63, Subpart G	63.100(b)	Storage vessel not part of a HON chemical manufacturing process unit.
		T17BMEATK	OP-UA3	40 CFR Part 60, Subpart Kb	60.110b(a)	Maximum rate capacity < 40,000 gallons and constructed after July 23, 1984.

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Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	C09A032	OP-UA7	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	111.111(a)(4)(A)
	C09A032	OP-UA15	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	115.122(a)(2), 115.121(a)(2), 115.122(a)(2)(A), 60.18
	C09A032	OP-UA7	R5270-01	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas Controls	115.722(d), (d)(1)-(2), [G]115.725(d)(1), (d)(2), 115.725(d)(2)(A)(i), [G](d)(2)(A)(ii), (d)(2)(A)(iii)-(iv), 115.725(d)(2)(B), (d)(2)(B)(i)-(iv), [G](l)
	C09A032	OP-UA7	60A-01	OPACITY	40 CFR Part 60, Subpart A	60.18(b), (c)(1), (c)(2), (c)(3)(ii), (c)(4)(i), (c)(6), (e)
	C09A032	OP-UA7	63A-01	OPACITY	40 CFR Part 63, Subpart A	63.11(b)(1)-(3), (b)(4), (b)(5), (b)(6)(ii), (b)(7)(i)
	C09A033	OP-UA7	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(4)(A)
	C09A033	OP-UA15	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	115.122(a)(1), 115.121(a)(1), 115.122(a)(1)(B), 60.18
	C09A033	OP-UA7	60A-01	OPACITY	40 CFR Part 60, Subpart A	60.18(b), 60.18(c)(1), (c)(2), (c)(3)(ii), (c)(5), (c)(6), (e)
	E10C021	OP-UA15	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(1)(B), (a)(1)(E)
	E10C021	OP-UA5	R7ICI-01	NO _x	30 TAC Chapter 117, Subchapter B	117.310(d)(3), (a), (a)(17), (b), [G](e)(1), (e)(2), [G]117.310(e)(3), (e)(4)-(5), 117.340(l)(2), (p)(1), 117.340(p)(2)(C), (p)(3)
	E10C021	OP-UA5	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	117.310(c)(1), (c)(1)(B), (c)(3)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
2	E10C021	OP-UA1 OP-UA5	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	<i>63.7500(a)(1)-Table 3.1, 63.7500(a)(1), (a)(3), 63.7505(a), 63.7540(a), [G](a)(10), (a)(12)-(13) 63.7505</i>
	E10C060	OP-UA7	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(4)(A)
	E10C060	OP-UA15	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	115.122(a)(1), 115.121(a)(1), 115.122(a)(1)(B), 60.18
	E10C060	OP-UA7	R5270-01	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas Controls	115.722(d), (d)(1)-(2), [G]115.725(d)(1), (d)(2), 115.725(d)(2)(A)(i), [G](d)(2)(A)(ii), (d)(2)(A)(iii)-(iv), 115.725(d)(2)(B), (d)(2)(B)(i)-(iv), [G](1)
	E10C060	OP-UA7	60A-01	OPACITY	40 CFR Part 60, Subpart A	60.18(b), (c)(1), (c)(2), (c)(3)(ii), (c)(4)(i), (c)(6), (e)
	E10C060	OP-UA7	63A-01	OPACITY	40 CFR Part 63, Subpart A	63.11(b)(1)-(3), (b)(4), (b)(5), (b)(6)(ii), (b)(7)(i)
	E10C062	OP-UA7	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(4)(A)
	E10C063	OP-UA7	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(4)(A)
	E10COINC	OP-UA15	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	111.111(a)(1)(B), (a)(1)(E)
	F09A001	OP-UA12	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	ALL
	F09A001	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL

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Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	F09A001	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	ALL
	F10A-01	OP-UA12	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	ALL
	F10A-01	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10A-01	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	ALL
	F10A-01	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	63.172(a), [G](h), (i), (m)
	F10A-01	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	63.11(b), 63.172(d), (e), [G](h), (m)
	F10AC1101	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10AC3001	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10AC5001	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10C001	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10C001	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	ALL
	F10C001	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	63.172(a), [G](h), (i), (m)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	F10C001	OP-UA12	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	63.11(b), 63.172(d), (e), [G](h), (m)
	F10C005	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10C5SOCL	OP-UA15	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	[G]63.113(a)(1), (h), [G]63.115(f), 63.11
	F10K001	OP-UA12	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	ALL
	F10K001	OP-UA12	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	ALL
	F10K001	OP-UA12	60VV-ALL	VOC	40 CFR Part 60, Subpart VV	ALL
	P10E2036	OP-UA15	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	[G]63.113(a)(1), (h), [G]63.115(f), 63.11
	P10IC2011	OP-UA15	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	[G]63.113(a)(1), (h), [G]63.115(f), 63.11
	P10IC2022	OP-UA15	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	[G]63.113(a)(1), (h), [G]63.115(f), 63.11
	P10ICATLD	OP-UA4	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	115.217(a)(1), 115.214(a)(1)(B), (a)(1)(D), (a)(1)(D)(i)
	P10ICATLD	OP-UA4	R5211-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	115.212(a)(1), (a)(1)(A), (a)(3)(A), (a)(3)(A)(i), 115.212(a)(3)(B), [G](a)(3)(C), (a)(3)(E), 115.214(a)(1)(B)-(C), 60.18
	P10K100	OP-UA17	60NNN-01	VOC/TOC	40 CFR Part 60, Subpart NNN	60.660(c)(4), 60.662(c)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	P10K105	OP-UA17	60NNN-01	VOC/TOC	40 CFR Part 60, Subpart NNN	60.660(c)(4), 60.662(c)
	P10K114	OP-UA17	60NNN-01	VOC/TOC	40 CFR Part 60, Subpart NNN	60.660(c)(4), 60.662(c)
	PROFARMLG T	OP-UA57	R5640-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(1), [G](c)
	PROFARMLG T	OP-UA57	R5640-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(2), [G](c)
	PROLPO10	OP-UA57	R5640-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(1), [G](c)
	PROLPO10	OP-UA57	R5640-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(2), [G](c)
	PROLPO10	OP-UA60	63F-01	112(B) HAPS	40 CFR Part 63, Subpart F	63.100(b), [G]63.102(a), [G](c), 63.104(a), [G](d), (e) 63.104(e)(1), [G](e)(2), 63.105(d)
	PROLPO10C3	OP-UA57	R5640-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(1), [G](c)
	PROLPO10C3	OP-UA57	R5640-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(2), [G](c)
	PROLPO10C3	OP-UA60	63F-01	112(B) HAPS	40 CFR Part 63, Subpart F	63.100(b), [G]63.102(a), [G](c), 63.104(a), [G](d), (e) 63.104(e)(1), [G](e)(2), 63.105(d)
	PROLPO12	OP-UA57	R5640-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(1), [G](c)
	PROLPO12	OP-UA57	R5640-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(2), [G](c)
	PROSYNGAS	OP-UA57	R5640-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(1), [G](c)

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	PROSYNGAS	OP-UA57	R5640-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	115.463(a)(2), [G](c)
	T10A2600	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10A2600	OP-UA3	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10A2601	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10A2601	OP-UA3	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10A2610	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10A2610	OP-UA3	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	63.119(e), 63.11, 63.119(a)(1), (e)(1), (e)(3)-(5) [G]63.148(d), (e)
	T10A2611	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10A2611	OP-UA3	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	63.119(e), 63.11, 63.119(a)(1), (e)(1), (e)(3)-(5) [G]63.148(d), (e)
	T10A2612	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10A2612	OP-UA3	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	63.119(e), 63.11, 63.119(a)(1), (e)(1), (e)(3)-(5) [G]63.148(d), (e)
	T10K2602B	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	T10K2602B	OP-UA3	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2602B	OP-UA3	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	63.119(e), 63.11, 63.119(a)(1), (e)(1), (e)(3)-(5) [G]63.148(d), (e)
	T10K2620	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2620	OP-UA3	63G-01	112(B) HAPS	40 CFR Part 63, Subpart G	63.119(e), 63.11, 63.119(a)(1), (e)(1), (e)(3)-(5) [G]63.148(d), (e)
	T10K2621	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2622	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2630	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2631	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2632A	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10K2632B	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18
	T10L2640	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2641	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.112(e)(1), (e)(3), (e)(3)(C), 60.18

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Table 1a: Additions (Page 1)

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	T10L2642	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2643	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2650	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2651	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2652	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T10L2653	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)
	T17BMEATK	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	115.111(a)(1)

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	C09A032	R1111-01	Opacity	111.111(a)(4)(A)(i)-(ii)	111.111(a)(4)(A)(ii)	NONE
	C09A032	R5121-01	VOC	[G]115.125, 115.126(1), (1)(B), (2), 115.126 (7)	115.126, (1), (1)(B), (2)	NONE
	C09A032	R5270-01	HIGHLY REACTIVE VOC	[G]115.725(d)(1), (d)(2), 115.725(d)(2)(A)(i), [G](2)(A)(ii), 115.725(d)(2)(A)(iii)-(iv), (d)(2)(B), 115.725(d)(2)(B)(i)-(iv), (d)(3)-(7), [G]115.725(l), (n)	115.726(a)(1), (a)(1)(A), 115.726(d)(1)-(4), (i), (j)(1)-(2)	115.725(n), 115.726(a)(1)(B)
	C09A032	60A-01	OPACITY	60.18(d), (f)(1), (f)(2), (f)(3), (f)(4)	NONE	NONE
	C09A032	63A-01	OPACITY	63.11(b)(4)-(5), (b)(7)(i)	NONE	NONE
	C09A033	R1111-01	PM (OPACITY)	111.111(a)(4)(A)(i)-(ii)	111.111(a)(4)(A)(ii)	NONE
	C09A033	R5121-01	VOC	[G]115.125, 115.126(1), (1)(B), (2)	115.126, (1), (1)(B), (2)	NONE
	C09A033	60A-01	OPACITY	60.18(d), (f)(1), (f)(2), (f)(3), (f)(6)	NONE	NONE
	E10C021	R1111-01	OPACITY	[G]111.111(a)(1)(F) ** See Periodic Monitoring Summary	NONE	NONE

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Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	E10C021	R7ICI-01	NO _x	[G]117.335(a)(1), (a)(4), (b), (d)-(e), 117.335(g), 117.340(a), (l)(2), (o)(1), 117.340(p)(1), (p)(2)(A)-(C), 117.8000(b), (c), (c)(1), (c)(3), 117.8000(c)(5)-(6), [G](d)	117.345(a), (f), (f)(1), (f)(9)	117.335(b), (g), 117.340(p)(2)(D), [G]117.345(b)-(c), 117.8010 [G]117.8010(1), (2), 117.8010(2)(A)-(D), [G](3), 117.8010(4), [G](5), (6) [G]117.8010(7)
	E10C021	R7ICI-01	CO	[G]117.335(a)(1), (a)(4), (b), (d)-(e), 117.335(g), 117.340(a), 117.8000(b), 117.8000(c), (c)(2)-(3), (c)(5)-(6), [G]117.8000(d) ** See Periodic Monitoring Summary	117.345(a), (f), (f)(1), (f)(9)	117.335(b), (g), [G]117.345(b)-(c), 117.8010, [G]117.8010(1), (2), 117.8010(2)(A)-(B), [G](3), 117.8010(4), [G](5), (6) [G]117.8010(7)
2	E10C021	63DDDDD-01	112(B) HAPS	63.7515(d), 63.7525(a)(7), 63.7540(a), [G](a)(10) The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	63.7555(a), (a)(1), 63.7560(a)-(c) The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	63.7530(e), (f), 63.7545(a)-(c), [G]63.7545(e), 63.7550(a), [G]63.7550(b)-(c), [G](h) The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
	E10C060	R1111-01	OPACITY	111.111(a)(4)(A)(i)-(ii)	111.111(a)(4)(A)(ii)	NONE
	E10C060	R5121-01	VOC	[G]115.125, 115.126(1), (1)(B), (2)	115.126, (1), (1)(B), (2)	NONE
	E10C060	R5270-01	HIGHLY REACTIVE VOC	[G]115.725(d)(1), (d)(2), 115.725(d)(2)(A)(i), [G](2)(A)(ii), 115.725(d)(2)(A)(iii)-(iv), (d)(2)(B), 115.725(d)(2)(B)(i)-(iv), (d)(3)-(7), [G]115.725(l), (n)	115.726(a)(1), (a)(1)(A), 115.726(d)(1)-(4), (i), (j)(1)-(2)	115.725(n), 115.726(a)(1)(B)

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	E10C060	60A-01	OPACITY	60.18(d), (f)(1), (f)(2), (f)(3), (f)(4)	NONE	NONE
	E10C060	63A-01	OPACITY	63.11(b)(4)-(5), (b)(7)(i)	NONE	NONE
	E10C062	R1111-01	OPACITY	111.111(a)(4)(A)(i)-(ii)	111.111(a)(4)(A)(ii)	NONE
	E10C063	R1111-01	OPACITY	111.111(a)(4)(A)(i)-(ii)	111.111(a)(4)(A)(ii)	NONE
	E10COINC	R1111-01	OPACITY	[G]111.111(a)(1)(F) ** See Periodic Monitoring Summary	NONE	NONE
	F09A001	R5780-ALL	HIGHLY REACTIVE VOC	ALL	ALL	ALL
	F09A001	R5352-ALL	VOC	ALL	ALL	ALL
	F09A001	63H-ALL	112(B) HAPS	ALL	ALL	ALL
	F10A-01	R5780-ALL	HIGHLY REACTIVE VOC	ALL	ALL	ALL
	F10A-01	R5352-ALL	VOC	ALL	ALL	ALL

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	F10A-01	63H-ALL	112(B) HAPS	ALL	ALL	ALL
	F10A-01	63H-ALL	112(B) HAPS	[G]63.172(f)(1), [G](f)(2), (g) [G]63.172(h), [G](l), [G]63.180(b) [G]63.180(d)	[G]63.172(l), 63.181(a), [G](b) 63.181(c), [G](d), (g), (g)(1)(i) 63.181(g)(1)(ii), [G](g)(2) [G]63.181(g)(3)	[G]63.182(a), [G](b), (c), [G](c)(1) 63.182(c)(4), [G](d)
	F10A-01	63H-ALL	112(B) HAPS	63.172(e), [G](h), [G]63.180(b) [G]63.180(d), [G](e)	63.181(a), [G](b), (c), [G](d) 63.181(g), (g)(1)(i), (g)(1)(ii) 63.181(g)(1)(iii), (g)(1)(iv) [G]63.181(g)(2)	[G]63.182(a), [G]63.182(b), (c) [G]63.182(c)(1), (c)(4), [G](d)
	F10AC1101	R5352-ALL	VOC	ALL	ALL	ALL
	F10AC3001	R5352-ALL	VOC	ALL	ALL	ALL
	F10AC5001	R5352-ALL	VOC	ALL	ALL	ALL
	F10C001	R5352-ALL	VOC	ALL	ALL	ALL
	F10C001	63H-ALL	112(B) HAPS	ALL	ALL	ALL
	F10C001	63H-ALL	112(B) HAPS	[G]63.172(f)(1), [G](f)(2), (g) [G]63.172(h), [G](l), [G]63.180(b) [G]63.180(d)	[G]63.172(l), 63.181(a), [G](b) 63.181(c), [G](d), (g), (g)(1)(i) 63.181(g)(1)(ii), [G](g)(2) [G]63.181(g)(3)	[G]63.182(a), [G](b), (c), 63.182[G](c)(1), (c)(4), [G](d)

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Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	F10C001	63H-ALL	112(B) HAPS	63.172(e), [G](h), [G]63.180(b) [G]63.180(d), [G](e)	63.181(a), [G](b), (c), [G](d) 63.181(g), (g)(1)(i), (g)(1)(ii) 63.181(g)(1)(iii), (g)(1)(iv) [G]63.181(g)(2)	[G]63.182(a), [G]63.182(b), (c) [G]63.182(c)(1), (c)(4), [G](d)
	F10C005	R5352-ALL	VOC	ALL	ALL	ALL
	F10C5SOCL	63G-01	112(B) HAPS	63.114(a), (a)(2), [G]63.115(f) [G]63.116(a)	[G]63.117(a)(5), 63.118(a)(1)-(2), [G]63.152(a) [G]63.152(f)	63.114(e), [G]63.117(a)(5), (f), 63.118(f)(2), 63.118(f)(5), [G]63.151(b), (e), [G]63.151(e)(1), (e)(2), (e)(3), (j) [G]63.152(a), (b), [G](b)(1)-(2), 63.152(c)(1)-(2), (c)(2)(i), [G](c)(2)(ii), (c)(2)(iii), (c)(4)(ii), [G]63.152(c)(6)
	F10K001	R5352-ALL	VOC	ALL	ALL	ALL
	F10K001	R5780-ALL	HIGHLY REACTIVE VOC	ALL	ALL	ALL
	F10K001	60VV-ALL	VOC	ALL	ALL	ALL
	P10E2036	63G-01	112(B) HAPS	63.114(a), (a)(2), [G]63.115(f) [G]63.116(a)	[G]63.117(a)(5), 63.118(a)(1)-(2), [G]63.152(a) [G]63.152(f)	63.114(e), [G]63.117(a)(5), (f), 63.118(f)(2), 63.118(f)(5), [G]63.151(b), (e), [G]63.151(e)(1), (e)(2), (e)(3), (j) [G]63.152(a), (b), [G](b)(1)-(2), 63.152(c)(1)-(2), (c)(2)(i), [G](c)(2)(ii), (c)(2)(iii), (c)(4)(ii), [G]63.152(c)(6)

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	P10IC2011	63G-01	112(B) HAPS	63.114(a), (a)(2), [G]63.115(f) [G]63.116(a)	[G]63.117(a)(5), 63.118(a)(1)-(2), [G]63.152(a) [G]63.152(f)	63.114(e), [G]63.117(a)(5), (f), 63.118(f)(2), 63.118(f)(5), [G]63.151(b), (e), [G]63.151(e)(1), (e)(2), (e)(3), (j) [G]63.152(a), (b), [G](b)(1)-(2), 63.152(c)(1)-(2), (c)(2)(i), [G](c)(2)(ii), (c)(2)(iii), (c)(4)(ii), [G]63.152(c)(6)
	P10IC2022	63G-01	112(B) HAPS	63.114(a), (a)(2), [G]63.115(f) [G]63.116(a)	[G]63.117(a)(5), 63.118(a)(1)-(2), [G]63.152(a) [G]63.152(f)	63.114(e), [G]63.117(a)(5), (f), 63.118(f)(2), 63.118(f)(5), [G]63.151(b), (e), [G]63.151(e)(1), (e)(2), (e)(3), (j) [G]63.152(a), (b), [G](b)(1)-(2), 63.152(c)(1)-(2), (c)(2)(i), [G](c)(2)(ii), (c)(2)(iii), (c)(4)(ii), [G]63.152(c)(6)
	P10ICATLD	R5211-01	VOC	115.214(a)(1)(A), (a)(1)(A)(i) 115.215, (4)	115.216, (2), (3)(B)	NONE
	P10ICATLD	R5211-02	VOC	115.212(a)(3)(B), 115.214(a)(1)(A) 115.214(a)(1)(A)(i)-(iii), 115.215, 115.215(1), [G](2)-(3), (4), (9), (10), 115.216(1), (1)(B)	115.216, (1), (1)(B), (2), (3)(A) 115.216(3)(A)(i)-(iii), (3)(B)	NONE
	P10K100	60NNN-01	VOC/TOC	[G]60.664(e), (f), [G](f)(1), (f)(2), 60.664(g), (g)(1)-(2)	[G]60.665(h), (p)	60.664(g)(1), 60.665(l), (l)(7), (p)
	P10K105	60NNN-01	VOC/TOC	[G]60.664(e), (f), [G](f)(1), (f)(2), 60.664(g), (g)(1)-(2)	[G]60.665(h), (p)	60.664(g)(1), 60.665(l), (l)(7), (p)

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	P10K114	60NNN-01	VOC/TOC	[G]60.664(e), (f), [G](f)(1), (f)(2), 60.664(g), (g)(1)-(2)	[G]60.665(h), (p)	60.664(g)(1), 60.665(l), (l)(7), (p)
	PROFARMLGT	R5640-01	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROFARMLGT	R5640-02	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO10	R5640-01	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO10	R5640-02	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO10	63F-01	112(B) HAPS	63.103(b)(1), (b)(3)-(4), [G](b)(5) 63.103(b)(6), [G]63.104(b)	[G]63.103(c), [G]63.104(e)(2) [G]63.104(f)(1), [G]63.105(b) 63.105(c), (e)	63.103(b)(2), [G](b)(5), [G](d) [G]63.104(f)(2)
	PROLPO10C3	R5640-01	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO10C3	R5640-02	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO10C3	63F-01	112(B) HAPS	63.103(b)(1), (b)(3)-(4), [G](b)(5) 63.103(b)(6), [G]63.104(b)	[G]63.103(c), [G]63.104(e)(2) [G]63.104(f)(1), [G]63.105(b) 63.105(c), (e)	63.103(b)(2), [G](b)(5), [G](d) [G]63.104(f)(2)
	PROLPO12	R5640-01	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROLPO12	R5640-02	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROSYNGAS	R5640-01	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	PROSYNGAS	R5640-02	VOC	[G]115.465(1)	115.468(b)(1), (b)(5)	NONE
	T10A2600	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(7)	NONE
	T10A2600	R5112-02	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE

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Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	T10A2601	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(7)	NONE
	T10A2601	R5112-02	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10A2610	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10A2610	63G-01	112(B) HAPS	63.120(e)(1), (e)(4)-(5), 63.148(b)(1)(ii), [G](c), (g), (g)(2) 63.148(h), (h)(2)	63.123(a), [G](f)(2), 63.148(g)(2), (h)(2), (i)(1)-(2), [G]63.148(i)(4), (i)(5)-(6), [G]63.152(a)	[G]63.120(e)(2), 63.122(c)(2) [G]63.122(g)(1), [G](g)(3), 63.148(j), 63.151(a)(7), [G](b), [G]63.151(j), [G]63.152(a), (b) [G]63.152(b)(1), (b)(4), (c)(1) 63.152(c)(2), (c)(2)(i), [G]63.152(c)(2)(ii), (c)(2)(iii) 63.152(c)(3), (c)(3)(i), (c)(4)(ii) [G]63.152(c)(6)
	T10A2611	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10A2611	63G-01	112(B) HAPS	63.120(e)(1), (e)(4)-(5), 63.148(b)(1)(ii), [G](c), (g), (g)(2) 63.148(h), (h)(2)	63.123(a), [G](f)(2), 63.148(g)(2), (h)(2), (i)(1)-(2), [G]63.148(i)(4), (i)(5)-(6), [G]63.152(a)	[G]63.120(e)(2), 63.122(c)(2) [G]63.122(g)(1), [G](g)(3), 63.148(j), 63.151(a)(7), [G](b), [G]63.151(j), [G]63.152(a), (b) [G]63.152(b)(1), (b)(4), (c)(1) 63.152(c)(2), (c)(2)(i), [G]63.152(c)(2)(ii), (c)(2)(iii) 63.152(c)(3), (c)(3)(i), (c)(4)(ii) [G]63.152(c)(6)

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Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	T10A2612	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10A2612	63G-01	112(B) HAPS	63.120(e)(1), (e)(4)-(5), 63.148(b)(1)(ii), [G](c), (g), (g)(2) 63.148(h), (h)(2)	63.123(a), [G](f)(2), 63.148(g)(2), (h)(2), (i)(1)-(2), [G]63.148(i)(4), (i)(5)-(6), [G]63.152(a)	[G]63.120(e)(2), 63.122(c)(2) [G]63.122(g)(1), [G](g)(3), 63.148(j), 63.151(a)(7), [G](b), [G]63.151(j), [G]63.152(a), (b) [G]63.152(b)(1), (b)(4), (c)(1) 63.152(c)(2), (c)(2)(i), [G]63.152(c)(2)(ii), (c)(2)(iii) 63.152(c)(3), (c)(3)(i), (c)(4)(ii) [G]63.152(c)(6)
	T10K2602B	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(7)	NONE
	T10K2602B	R5112-02	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2602B	63G-01	112(B) HAPS	63.120(e)(1), (e)(4)-(5), 63.148(b)(1)(ii), [G](c), (g), (g)(2) 63.148(h), (h)(2)	63.123(a), [G](f)(2), 63.148(g)(2), (h)(2), (i)(1)-(2), [G]63.148(i)(4), (i)(5)-(6), [G]63.152(a)	[G]63.120(e)(2), 63.122(c)(2) [G]63.122(g)(1), [G](g)(3), 63.148(j), 63.151(a)(7), [G](b), [G]63.151(j), [G]63.152(a), (b) [G]63.152(b)(1), (b)(4), (c)(1) 63.152(c)(2), (c)(2)(i), [G]63.152(c)(2)(ii), (c)(2)(iii) 63.152(c)(3), (c)(3)(i), (c)(4)(ii) [G]63.152(c)(6)
	T10K2620	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program
Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	T10K2620	63G-01	112(B) HAPS	63.120(e)(1), (e)(4)-(5), 63.148(b)(1)(ii), [G](c), (g), (g)(2) 63.148(h), (h)(2)	63.123(a), [G](f)(2), 63.148(g)(2), (h)(2), (i)(1)-(2), [G]63.148(i)(4), (i)(5)-(6), [G]63.152(a)	[G]63.120(e)(2), 63.122(c)(2) [G]63.122(g)(1), [G](g)(3), 63.148(j), 63.151(a)(7), [G](b), [G]63.151(j), [G]63.152(a), (b) [G]63.152(b)(1), (b)(4), (c)(1) 63.152(c)(2), (c)(2)(i), [G]63.152(c)(2)(ii), (c)(2)(iii) 63.152(c)(3), (c)(3)(i), (c)(4)(ii) [G]63.152(c)(6)
	T10K2621	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2622	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2630	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2631	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2632A	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10K2632B	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE
	T10L2640	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T10L2641	R5112-01	VOC	115.115(a), (a)(6), 115.116(a)(2) [G]115.117	115.118(a)(4), (a)(4)(F), (a)(5) 115.118(a)(7)	NONE

TCEQ 10018 (APDG 5939v2, Revised 06/15) OP-REQ3 - Applicable Requirements Summary

This form is for use by sources subject to air quality permit requirements and may be revised periodically. (Title V Release 11/08)

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program
Table 1b: Additions

Date: October 1, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	T10L2642	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T10L2643	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T10L2650	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(7)	NONE
	T10L2651	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T10L2652	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T10L2653	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(6)(A), 115.118(a)(7)	NONE
	T17BMEATK	R5112-01	VOC	[G]115.117	115.118(a)(1), (a)(5), (a)(7)	NONE

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

I. Identifying Information		
Account No.: GB-0076-J	RN No.: RN100219351	CN: CN601688781
Permit No.: O1919	Project No.: TBD	
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		
Company Name: Union Carbide Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: E10C021		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-01		
Pollutant: Opacity		
Main Standard: 111.111(a)(1)(B)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-P-030		
Deviation Limit: : Use of an alternate fuel		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: N/A		
Control Device Type: N/A		

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

I. Identifying Information		
Account No.: GB-0076-J	RN No.: RN100219351	CN: CN601688781
Permit No.: O1919		Project No.: TBD
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		
Company Name: Union Carbide Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: E10C021		
Applicable Form: OP-UA5		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7ICI-01		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Fuel gas usage greater than 4940 scf/min shall be considered and reported as a deviation.		
IV. Control Device Information		
Control Device ID No.: N/A		
Device Type: N/A		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel gas usage		Minimum Frequency: Hourly
Averaging Period: n/a		

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

I. Identifying Information
<p>Periodic Monitoring Text: Measure and record fuel gas usage. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The fuel gas usage shall be used in conjunction with the most recent stack test demonstrating compliance with the NSR MAERT limitations, which corresponds to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> <p>A fuel gas usage above the maximum limit shall be considered and reported as a deviation</p>

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

I. Identifying Information		
Account No.: GB-0076-J	RN No.: RN100219351	CN: CN601688781
Permit No.: O1919	Project No.: TBD	
Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit		
Company Name: Union Carbide Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: E10COINC		
Applicable Form: OP-UA15		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-01		
Pollutant: Opacity		
Main Standard: 111.111(a)(1)(B)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-P-030		
Deviation Limit: : Use of an alternate fuel		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: N/A		
Control Device Type: N/A		

Texas Commission on Environmental Quality

Title V Existing

1919

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE OXO & SYNTHESIS GAS SUPPLY UNIT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.375833
Longitude (W) (-###.#####)	94.945277
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100219351
What is the name of the Regulated Entity (RE)?	UNION CARBIDE
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.3775
Longitude (W) (-###.#####)	-94.943055
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305

State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	LISA
Middle	
Last	CASHBAUGH-SANCHEZ
Suffix	
Credentials	
Title	SENIOR SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3301 5TH AVE S
Routing (such as Mail Code, Dept., or Attn:)	
City	TEXAS CITY
State	TX
ZIP	77590
Phone (###-###-####)	4096414141
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	lmcashbaugh@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	FRAN FALCON(THE DOW CHEMICA...)
Prefix	THE DOW CHEMICAL COMPANY
First	MS
Middle	FRAN
Last	FALCON
Suffix	
Credentials	
Title	EH&S REGIONAL LEVERAGED DELIVERY DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

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

332 HIGHWAY 332 E
LJ APB 2A145B
LAKE JACKSON
TX
77566
9792389764

FQFALCON@DOW.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

CRYSTAL SCHMIDT(THE DOW CHEMICA...)

Organization Name

THE DOW CHEMICAL COMPANY

Prefix

MRS

First

CRYSTAL

Middle

Last

SCHMIDT

Suffix

Credentials

Title

AIR PERMIT MANAGER

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

332 HIGHWAY 332 E

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

City

LAKE JACKSON

State

TX

ZIP

77566

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

9792381742

Extension

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

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

E-mail

cschmidt6@dow.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 22 Min 33 Sec

3) Permit Longitude Coordinate:

94 Deg 56 Min 43 Sec

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

New Application

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

Renewal

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

No

through permit conversion?

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

No

5) Who will electronically sign this Title V application?

Duly Authorized Representative

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

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name

OP_1_Form_OP-1.pdf

Hash

363CBA504992646566CFB668ADA47779FCE7A043A750A1B688E9000C46098381

MIME-Type

application/pdf

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

[File Properties]

File Name

OP_2_Form_OP-2.pdf

Hash

181B40161FA295C48672C40F79A63F9CD0805628F2566D13DDA39F26D7C5A1E3

MIME-Type

application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name

OP_ACPS_Form_OP-ACPS.pdf

Hash

42F14DBAD680CFB5DAB7AAD08EDE93B9998D3F503948347A6B9C9D9E10BD1A22

MIME-Type

application/pdf

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

[File Properties]

File Name

OP_REQ1_Form_OP-REQ1.pdf

Hash

C51FAFE76D260A659B358278C0D494F6379767EC25B34B6916955A26BE280B52

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name

OP_REQ2_Form_OP-REQ2.pdf

Hash

FAF3308F16623F230C0214FF66F23798D5A02AEF61B11210B806EFD4EFD9724D

MIME-Type

application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name

OP_REQ3_Form_OP-

REQ3.pdf

Hash 30E75D0A80B9B0092FC0F6A513736CB69383AB798D41067D275E60CE4E123E07
MIME-Type application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name OP_PBRSUP_Form_OP-PBRSUP.pdf

Hash CA9A773A6D636E501982552227C0E0765DDA1BFCC6C27AA7FAE68BCA67D827EC
MIME-Type application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name OP_SUMR_Form_OP-SUMR.pdf

Hash E5A1E943BED471AA057F8B237DCF5DFF26C1677EEA460A9118BCC0393B375527
MIME-Type application/pdf

Attach OP-MON (Monitoring Requirements)

[File Properties]

File Name OP_MON_Form_OP-MON.pdf

Hash 131432608DCF147D99952CB2E24469881C6C54792291D812C23B15BE4127A533
MIME-Type application/pdf

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name Form_OP-UAs.pdf

Hash 27461085199C6960F339CF9545A525AC0A5A06AADB8C43FEA1059EA8900D580F
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 Cover_Letter.pdf

Hash C09B06A6EBA139496BBA743EABC5835B781C05AC93C476794BE01EF2ACDA2CCE
MIME-Type application/pdf

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

Expedite Title V

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

No

Certification

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

1. I am Fran Q Falcon, the owner of the STEERS account ER028176.
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 1919.
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: Fran Q Falcon OWNER OPERATOR

Account Number:	ER028176
Signature IP Address:	170.85.99.27
Signature Date:	2024-10-01
Signature Hash:	4725663576DE3F41DE74D82CB21CFB9BFB69E4422881212DCE899ECE17426B81
Form Hash Code at time of Signature:	12573D896A6417D47AA3A4AC561C5427FFD5AF2DB0337F452D1C10F1E7394A72

Submission

Reference Number:	The application reference number is 687901
Submitted by:	The application was submitted by ER028176/Fran Q Falcon
Submitted Timestamp:	The application was submitted on 2024-10-01 at 10:36:35 CDT
Submitted From:	The application was submitted from IP address 170.85.99.27
Confirmation Number:	The confirmation number is 567482
Steers Version:	The STEERS version is 6.82
Permit Number:	The permit number is 1919

Additional Information

Application Creator: This account was created by Crystal Schmidt



June 21, 2024

E-MAIL RESPONSE

Texas Commission on Environmental Quality
ATTN: Mr. Tusar Swami
Air Permits Division, MC-163
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781
Low Pressure Oxo & Synthesis Gas Supply Unit, RN100219351
Title V Operating Permit Application Update for Hydrocarbons, O1919
TCEQ Project Number: 36576

Dear Mr. Swami,

Union Carbide Corporation (UCC) is submitting an application update for the Low Pressure Oxo & Synthesis Gas Supply Unit Title V Permit Minor Revision application that was received by TCEQ on April 22, 2024 (Project #36576). Please see Form OP-2 for more information.

Please do not hesitate to contact me at (979) 238-1742 or cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
RShultz@ghcd.org

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

Date:	June 21, 2024					
Permit No.:	O1919					
Regulated Entity No.:	RN100219351					
Company Name:	Union Carbide Corporation					
I. Description of Revision						
Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-C	NO	C09A032 T10K12CHT	OP-SUMR OP-PBRSUP	106.475/09/04/2000	<p>UCC authorized the change of service for the catalyst hold tank (T10K12CHT) by PBR 106.475 on June 20, 2024. This storage tank vents to the flare (C09A032); therefore, all applicable requirements for this storage tank can be found downstream at the flare. Storage tank T10K12CHT is not included in this Title V Permit and is being included in this Revision for completeness purposes only.</p> <p>PBR 106.475 is not included in the permit; therefore, it will be added to Form OP-REQ1 (Page 88). PBR 106.475 will be added to the authorizations for the flare (C09A032) via Form OP-SUMR.</p> <p>This PBR has been added to the Form OP-PBRSUP.</p>

**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.
June 21, 2024	O1919	RN100219351

Unit/Process						Preconstruction Authorizations	
AI	Revision No.	ID No.	Applicable Form	Name/ Description	CAM	30 TAC Chapter 116/ 30 TAC Chapter 106	Title I
	1	C09A032	OP-UA7 OP-UA15	TCO SITE FLARE		436 106.261/11/01/2003 [142943, 160580] 106.262/11/01/2003 [106580] 106.475/09/04/2000 106.476/09/04/2000	

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
June 21, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
F10C001	71511	106.261	04/15/2004
E10C062 E10C063	156454	106.261	05/20/2019
F10N001-01	156455	106.261	05/21/2019
F10C001	160803	106.261	04/17/2020
F10C001	168506	106.261	04/15/2022
F10C001	172004	106.261	04/04/2023
C09A032	142943	106.261	12/07/2016
E10AC3DRMLDG E10AC5DRMLDG	154429	106.261 106.262	01/25/2019
C09A032	160580	106.261 106.262	04/02/2020
F10A-01	160800	106.261	04/17/2020
F10A-01 F10AC5001 F10AC1101	164528	106.261 106.262	04/16/2021
F10A-01	172028	106.261	03/17/2023

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
June 21, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
F10A-01	172287	106.261	04/04/2023
F10A-01	175410	106.261 106.262	02/19/2024
F09A001	164526	106.261	04/16/2021
F09A001	175521	106.261	03/04/2024
F10K001	151257	106.261	05/08/2018
F10K001	156310	106.261	04/17/2019
F10K001	160804	106.261	04/28/2020
F10K001	164536	106.261	04/12/2021
F10K001	172032	106.261	03/15/2023
F10K001	172288	106.262	03/23/2023
F10K001	175502	106.261 106.262	03/12/2024

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
June 21, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date
D2010	106.472	09/04/2000
N/A	106.532	09/04/2000
N/A	106.532	09/04/2000
C09A032 E10C060	106.476	09/04/2000
C09A032 E10C060	106.476	09/04/2000
<i>C09A032</i> <i>T10K12CHT</i>	<i>106.475</i>	<i>09/04/2000</i>

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
June 21, 2024	O1919	RN100219351

PBR No.	Version No./Date
N/A	N/A

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
June 21, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10C001	106.261	71511 04/15/2004	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
D2010	106.472	09/04/2000	Maintain records of tank service. Note - this tank is a non-emitting source therefore records of tank service are all that are required.
E10C062 E10C063	106.261	156454 05/20/2019	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2466 SC 12 and 20 for hours of operation, minimum net heating value, and exit velocity.
F10N001-01	106.261	156455 05/21/2019	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	160803 04/17/2020	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	168506 04/15/2022	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	172004 04/04/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
C09A032	106.261	142943 12/07/2016	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).

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
June 21, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
E10AC3DRMLDG E10AC5DRMLDG	106.261 106.262	154429 01/25/2019	Maintain records of drumming throughput.
C09A032	106.261 106.262	160580 04/02/2020	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).
F10A-01	106.261	160800 04/17/2020	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01 F10AC5001 F10AC1101	106.261 106.262	164528 04/16/2021	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172028 03/17/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261	172287 04/04/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F10A-01	106.261 106.262	175410 02/19/2024	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).
F09A001	106.261	164526 04/16/2021	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).

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
June 21, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F09A001	106.261	175521 03/04/2024	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
N/A	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
F10K001	106.261	151257 05/08/2018	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	156310 04/17/2019	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	160804 04/28/2020	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.261	164536 04/12/2021	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.261	172032 03/15/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.262	172288 03/23/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).

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
June 21, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10K001	106.261 106.262	175502 03/12/2024	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
N/A	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
C09A032 E10C060	106.476	09/04/2000	Maintain records of tank service.
C09A032 E10C060	106.476	09/04/2000	Maintain records of tank service.
<i>C09A032 T10K12CHT</i>	<i>106.475</i>	<i>09/04/2000</i>	<i>Storage tank vent is routed to flare as required by NSR 9085 SC 8.A (permit issue date 12/20/2019). Flare compliance requirements are stated in NSR 9085 SC 12 and 13.</i>

From: Tusar Swami
Sent: Friday, June 21, 2024 11:59 AM
To: Schmidt, Crystal (C)
Subject: Technical Review -- FOP O1919/Project 36576, Union Carbide Corp

Crystal:

Good Morning. I have been assigned to the Federal Operating Permit (FOP) revision application of Permit No. O1919/Project 36576, Union Carbide Corp/Low Pressure Oxo & Synthesis Gas Supply Unit. This application has been assigned Project No. 36576. Please address all correspondence pertaining to this permit application, including updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking. I have received the 6/21 updates.

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 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](#).

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: tusar.swami@tceq.texas.gov



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

From: [Johnny Bowers](#)
To: [Rosa Mora-Nichols](#)
Subject: FW: STEERS Title V Application Submittal (New Application)
Date: Tuesday, April 23, 2024 8:10:53 AM

Please process. Thanks!

-----Original Message-----

From: steers@tceq.texas.gov <steers@tceq.texas.gov>
Sent: Monday, April 22, 2024 5:10 PM
To: RFCAIR12 <RFCAIR12@tceq.texas.gov>; fitzsimmmons@gchd.org; ltubbs@gchd.org; TVAPPS <tvapps@tceq.texas.gov>
Subject: STEERS Title V Application Submittal (New Application)

The TV-E application has been successfully submitted by LISA CASHBAUGH SANCHEZ. The submittal was received at 04/22/2024 05:09 PM.

The Reference number for this submittal is 649341

The confirmation number for this submittal is 536236.

The Area ID for this submittal is 1919.

The Project ID for this submittal is 36576.

The hash code for this submittal is

E910279702EA47508DEA1607D72D1D13A8F4EB09BA9CEC4832EC77FF367036F0.

You may access the original application submittal and the notice of final action documents from the COR Viewer which is available at <https://ida.tceq.texas.gov/steersstaff/index.cfm?fuseaction=openadmin.submitlog&newsearch=yes>.

If you have any questions, please contact the STEERS Help Line at 512-239-6925 or by e-mail at steers@tceq.texas.gov.



April 22, 2024

Electronic Submittal via ePermits

Mr. Johnny Bowers
TCEQ Air Permits Initial Review Team (APIRT), MC-161
P.O. Box 13087
Austin, TX 78711-3087

Union Carbide Corporation, CN601688781; RN100219351
Low Pressure Oxo & Synthesis Gas Supply Unit - Title V Operating Permit O1919
Permit Minor Revision Application

Dear Mr. Bowers,

Union Carbide Corporation (UCC) is submitting the Title V Operating Permit O1919 Minor Revision Application for the Low Pressure Oxo & Synthesis Gas Supply Unit plant located in Galveston County, Texas. This Minor Revision Application is submitted in accordance with 30 TAC Chapter 122, Subchapter, C §122.215, §122.216, and §122.218.

Please do not hesitate to contact me at cschmidt6@dow.com if you require additional information regarding this submittal.

Sincerely,

Crystal Schmidt

Crystal Schmidt
Air Permit Manager

enclosure

cc:

US EPA Region 6
TCEQ Air Section Manager, Region 12
Galveston County Health District

R6AirPermitsTX@epa.gov
R12apdmail@tceq.texas.gov
RShultz@ghcd.org

Union Carbide Corporation
A Subsidiary of The Dow Chemical Company
Texas City Operations | P.O. Box 471 | Texas City, TX 77592 U.S.A.

Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 1)

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

I. Company Identifying Information
A. Company Name: Union Carbide Corporation
B. Customer Reference Number (CN): CN601688781
C. Submittal Date (mm/dd/yyyy): April 22, 2024
II. Site Information
A. Site Name: Union Carbide Texas City
B. Regulated Entity Reference Number (RN): RN100219351
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/> AR <input type="checkbox"/> CO <input type="checkbox"/> KS <input type="checkbox"/> LA <input type="checkbox"/> NM <input type="checkbox"/> OK <input checked="" type="checkbox"/> N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO _x <input checked="" type="checkbox"/> SO ₂ <input checked="" type="checkbox"/> PM ₁₀ <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input checked="" type="checkbox"/> HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/> Site Operating Permit (SOP) <input type="checkbox"/> Temporary Operating Permit (TOP) <input type="checkbox"/> General Operating Permit (GOP)

Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 2)

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>
A. Is this submittal an abbreviated or a full application? <input type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? <input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? <input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) <input type="checkbox"/> YES <input type="checkbox"/> NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
RO Full Name: Lisa Cashbaugh-Sanchez
RO Title: Senior Site Manufacturing Director
Employer Name: The Dow Chemical Company
Mailing Address: 3301 5th Avenue South
City: Texas City
State: Texas
ZIP Code: 77590
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 409-641-4141
Fax No.:
Email: LMCashbaugh@dow.com

**Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 3)**

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Crystal Schmidt
Technical Contact Title: Air Permit Manager
Employer Name: The Dow Chemical Company
Mailing Address: 332 South Hwy 332 E
City: Lake Jackson
State: Texas
ZIP Code: 77566
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 979-238-1742
Fax No.:
Email: cschmidt6@dow.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Larry Taylor
B. State Representative: Mayes Middleton
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 4)

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit
B. Physical Address: 3301 5th Avenue South
City: Texas City
State: Texas
ZIP Code: 77592-0471
C. Physical Location: 3301 5th Avenue South
D. Nearest City: Texas City
E. State: Texas
F. ZIP Code: 77592-0471

**Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 5)**

X. Application Area Information <i>(continued)</i>
G. Latitude (nearest second): 29° 22' 33"
H. Longitude (nearest second): 94° 56' 43"
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
J. Indicate the estimated number of emission units in the application area: 73
K. Are there any emission units in the application area subject to the Acid Rain Program? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
XI. Public Notice <i>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)</i>
A. Name of a public place to view application and draft permit: Moore Public Library
B. Physical Address: 1701 9th Avenue South
City: Texas City
ZIP Code: 77592
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Crystal Schmidt
Contact Mailing Address: 332 South Hwy 332 E
City: Lake Jackson
State: Texas
ZIP Code: 77566
Territory:
Country: USA
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 979-238-1742

**Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 6)**

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the “Delinquent Fee and Penalty Protocol.”
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

**Federal Operating Permit Program
Form OP-1 – Site Information Summary (Page 7)**

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.

XIV. Alternate Designated Representative (ADR) Identifying Information

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

ADR Full Name:

ADR Title:

Employer Name:

Mailing Address:

City:

State:

ZIP Code:

Territory:

Country:

Foreign Postal Code:

Internal Mail Code:

Telephone No.:

Fax No.:

Email:

TCEQ 10002 (APDG 5723v25, revised 03/22) OP-1

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

TCEQ 10002 (APDG 5723v25, revised 03/22) OP-1

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

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 – Table 1**

Date: April 22, 2024	
Permit No.: O1919	
Regulated Entity No.: RN100219351	
Company Name: Union Carbide Corporation	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
I. Application Type	
Indicate the type of application:	
<input 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	
II. Qualification Statement	
For SOP Revisions Only	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
For GOP Revisions Only	<input type="checkbox"/> YES <input type="checkbox"/> NO

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1 (continued)

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

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2**

Date: April 22, 2024
Permit No.: O1919
Regulated Entity No.: RN100219351
Company Name: Union Carbide Corporation

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
1	MS-C	NO	P10K105	OP-UA17	N/A	<p>Please update the Vent Stream Flow Rate from “8-” to “8+” on Form OP-UA17/Table 1a.</p> <p>Please add a second operating scenario (60NNN-02) to this unit on Form OP-UA17/Table 1a and 1b. This unit can vent to a flare (C09A032) and a boiler (E02B030).</p>
2	MS-C	NO	C09A032 D2010 E10AC3DRUMLDG E10AC5DRUMLDG E10C060 E10C062 E10C063 F09A001 F10A-01 F10AC1101 F10AC5001 F10C001 F10K001 F10N001-01	OP-SUMR OP-PBRSUP	N/A	<p>Please update the PBR Supplemental Table to include any changes that have been made since the permit was renewed in April 2020 (Project #28425).</p> <p>Please update the authorizations for these units on the Form OP-SUMR to match the changes made on the PBR Supplemental Table.</p>

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3**

Date: April 22, 2024	
Permit No.: O1919	
Regulated Entity No.: RN100219351	
Company Name: Union Carbide Corporation	
I. Significant Revision <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i>	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
B.	Indicate the alternate language(s) in which public notice is required: Spanish
C.	Will, there be a change in air pollutant emissions as a result of the significant revision? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
April 22, 2024	O1919	RN100219351

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
	2	C09A032	OP-UA7 OP-UA15	TCO SITE FLARE		436 106.261/11/01/2003 [142943, 160580] 106.262/11/01/2003 [106580] 106.476/09/04/2000	
	2	D2010	OP-REQ2	COMPRESSOR LUBE OIL TANK		106.476/09/04/2000 106.472/09/04/2000	
	2	E10AC3DRUMLDG	OP-REQ2	LPO-10 C3 DRUM LOADING		106.261/11/01/2003 [154429] 106.262/11/01/2003 [154429]	
	2	E10AC5DRUMLDG	OP-REQ2	LPO-10 C5 DRUM LOADING		106.261/11/01/2003 [154429] 106.262/11/01/2003 [154429]	
	2	E10C060	OP-UA7 OP-UA15	SYN GAS FLARE		2466 106.261/11/01/2003 106.476/09/04/2000	
	2	E10C062	OP-UA7	SYN GAS STARTUP FLARE A		2466 106.261/11/01/2003 [156454]	
	2	E10C063	OP-UA7	SYN GAS START UP FLARE B		2466 106.261/11/01/2003 [156454]	
	2	F09A001	OP-UA12	OLEFINS FUGITIVES		436 106.261/11/01/2003 [164526, 175521]	
	2	F10A-01	OP-UA12	LPO10C3 PRODUCTION FUGITIVES		2467 106.261/11/01/2003 [160800, 164528, 172028, 172287, 175410] 106.262/11/01/2003 [164528, 175410]	

**Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
April 22, 2024	O1919	RN100219351

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
	2	F10AC1101	OP-UA12	LPO10 ISOMER COLUMN FUGITIVES		2467 <i>106.261/11/01/2003 [164528] 106.262/11/01/2003 [164528]</i>	
	2	F10AC5001	OP-UA12	LPO10C5 PRODUCTION FUGITIVES		2467 <i>106.261/11/01/2003 [164528] 106.262/11/01/2003 [164528]</i>	
	2	F10C001	OP-UA12	SYN GAS UNIT FUGITIVES		2466 <i>106.261/11/01/2003 [71511, 160803, 168506, 172004]</i>	
	2	F10K001	OP-UA12	LPO12 PRODUCTION FUGITIVES		9085 <i>106.261/11/01/2003 [151257, 156310, 160804, 164536, 172032, 175502] 106.262/11/01/2003 [172288, 175502]</i>	
	2	F10N001-01	OP-REQ2	CATALYTIC INCINERATOR FUGITIVES		2466 <i>106.261/11/01/2003 [156455]</i>	
	1	P10K105	OP-UA17	POLISHING STILL		9085	

Distillation Unit Attributes – Form OP-UA17 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI)
Distillation Operations

Date:	April 22, 2024
Permit No.:	O1919
Regulated Entity No.:	RN100219351

Unit ID No.	SOP Index No.	Subpart NNN Chemicals	Construction/Modification Date	Vent Type	Distillation Unit Type	Total Design Capacity	Vent Stream Flow Rate
P10K105	60NNN-01	YES	83+	VRS	NONE	1+	8+ 8-
<i>P10K105</i>	<i>60NNN-02</i>	<i>YES</i>	83+	<i>VRS</i>	<i>NONE</i>	<i>1+</i>	8+

Distillation Unit Attributes – Form OP-UA17 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI)
Distillation Operations

Date:	April 22, 2024
Permit No.:	O1919
Regulated Entity No.:	RN100219351

Unit ID No.	SOP Index No.	Total Resource Effectiveness	TOC Reduction	Subpart NNN Control Device	ACT ID No.	Subpart NNN Control Device ID No.	Emission Point ID No(s).		Organic Monitoring Device
<i>P10K105</i>	<i>60NNN-01</i>	<i>8+B</i>	<i>NO</i>	<i>FLARE</i>		<i>C09A032</i>	<i>C09A032</i>		
<i>P10K105</i>	<i>60NNN-02</i>	<i>8+B</i>	<i>YES</i>	<i>BPH44+</i>		<i>E02B030</i>	<i>E02B030</i>		

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
<i>F10C001</i>	<i>71511</i>	<i>106.261</i>	<i>04/15/2004</i>
<i>E10C062</i> <i>E10C063</i>	<i>156454</i>	<i>106.261</i>	<i>05/20/2019</i>
<i>F10N001-01</i>	<i>156455</i>	<i>106.261</i>	<i>05/21/2019</i>
<i>F10C001</i>	<i>160803</i>	<i>106.261</i>	<i>04/17/2020</i>
<i>F10C001</i>	<i>168506</i>	<i>106.261</i>	<i>04/15/2022</i>
<i>F10C001</i>	<i>172004</i>	<i>106.261</i>	<i>04/04/2023</i>
<i>C09A032</i>	<i>142943</i>	<i>106.261</i>	<i>12/07/2016</i>
<i>E10AC3DRMLDG</i> <i>E10AC5DRMLDG</i>	<i>154429</i>	<i>106.261</i> <i>106.262</i>	<i>01/25/2019</i>
<i>C09A032</i>	<i>160580</i>	<i>106.261</i> <i>106.262</i>	<i>04/02/2020</i>
<i>F10A-01</i>	<i>160800</i>	<i>106.261</i>	<i>04/17/2020</i>
<i>F10A-01</i> <i>F10AC5001</i> <i>F10AC1101</i>	<i>164528</i>	<i>106.261</i> <i>106.262</i>	<i>04/16/2021</i>
<i>F10A-01</i>	<i>172028</i>	<i>106.261</i>	<i>03/17/2023</i>

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	Registration No.	PBR No.	Registration Date
<i>F10A-01</i>	<i>172287</i>	<i>106.261</i>	<i>04/04/2023</i>
<i>F10A-01</i>	<i>175410</i>	<i>106.261</i> <i>106.262</i>	<i>02/19/2024</i>
<i>F09A001</i>	<i>164526</i>	<i>106.261</i>	<i>04/16/2021</i>
<i>F09A001</i>	<i>175521</i>	<i>106.261</i>	<i>03/04/2024</i>
<i>F10K001</i>	<i>151257</i>	<i>106.261</i>	<i>05/08/2018</i>
<i>F10K001</i>	<i>156310</i>	<i>106.261</i>	<i>04/17/2019</i>
<i>F10K001</i>	<i>160804</i>	<i>106.261</i>	<i>04/28/2020</i>
<i>F10K001</i>	<i>164536</i>	<i>106.261</i>	<i>04/12/2021</i>
<i>F10K001</i>	<i>172032</i>	<i>106.261</i>	<i>03/15/2023</i>
<i>F10K001</i>	<i>172288</i>	<i>106.262</i>	<i>03/23/2023</i>
<i>F10K001</i>	<i>175502</i>	<i>106.261</i> <i>106.262</i>	<i>03/12/2024</i>

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date
<i>D2010</i>	<i>106.472</i>	<i>09/04/2000</i>
<i>N/A</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>N/A</i>	<i>106.532</i>	<i>09/04/2000</i>
<i>C09A032</i> <i>E10C060</i>	<i>106.476</i>	<i>09/04/2000</i>
<i>C09A032</i> <i>E10C060</i>	<i>106.476</i>	<i>09/04/2000</i>

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
April 22, 2024	O1919	RN100219351

PBR No.	Version No./Date
N/A	N/A

Draft Only

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F10C001	106.261	71511 04/15/2004	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
D2010	106.472	09/04/2000	Maintain records of tank service. Note - this tank is a non-emitting source therefore records of tank service are all that are required.
E10C062 E10C063	106.261	156454 05/20/2019	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2466 SC 12 and 20 for hours of operation, minimum net heating value, and exit velocity.
F10N001-01	106.261	156455 05/21/2019	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	160803 04/17/2020	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	168506 04/15/2022	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
F10C001	106.261	172004 04/04/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28VHP as required by NSR 2466 SC 13 (permit issue date 08/22/2022).
C09A032	106.261	142943 12/07/2016	Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
<i>E10AC3DRMLDG</i> <i>E10AC5DRMLDG</i>	<i>106.261</i> <i>106.262</i>	<i>154429</i> <i>01/25/2019</i>	<i>Maintain records of drumming throughput.</i>
<i>C09A032</i>	<i>106.261</i> <i>106.262</i>	<i>160580</i> <i>04/02/2020</i>	<i>Flare will continue to meet the monitoring and recordkeeping requirements of NSR 2467 SC 11 and 12 for minimum net heating value, exit velocity, and pilot flame monitoring (permit issue date 10/6/2020).</i>
<i>F10A-01</i>	<i>106.261</i>	<i>160800</i> <i>04/17/2020</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).</i>
<i>F10A-01</i> <i>F10AC5001</i> <i>F10AC1101</i>	<i>106.261</i> <i>106.262</i>	<i>164528</i> <i>04/16/2021</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).</i>
<i>F10A-01</i>	<i>106.261</i>	<i>172028</i> <i>03/17/2023</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).</i>
<i>F10A-01</i>	<i>106.261</i>	<i>172287</i> <i>04/04/2023</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).</i>
<i>F10A-01</i>	<i>106.261</i> <i>106.262</i>	<i>175410</i> <i>02/19/2024</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 2467 SC 13 (permit issue date 10/6/2020).</i>
<i>F09A001</i>	<i>106.261</i>	<i>164526</i> <i>04/16/2021</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).</i>

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
F09A001	106.261	175521 03/04/2024	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28RCT as required by NSR 436 SC 6 (permit issue date 08/22/2022).
N/A	106.532	09/04/2000	Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).
F10K001	106.261	151257 05/08/2018	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	156310 04/17/2019	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 3 (permit issue date 07/10/2013).
F10K001	106.261	160804 04/28/2020	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.261	164536 04/12/2021	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.261	172032 03/15/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).
F10K001	106.262	172288 03/23/2023	New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).

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

Date	Permit Number	Regulated Entity Number
April 22, 2024	O1919	RN100219351

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
<i>F10K001</i>	<i>106.261</i> <i>106.262</i>	<i>175502</i> <i>03/12/2024</i>	<i>New piping components are managed in accordance with the current Leak Detection and Repair (LDAR) fugitive monitoring program 28MID as required by NSR 9085 SC 5 (permit issue date 12/20/2019).</i>
<i>N/A</i>	<i>106.532</i>	<i>09/04/2000</i>	<i>Maintain PBR documentation to demonstrate facility performs only the functions listed within 106.532(1)(A)-(O).</i>
<i>C09A032</i> <i>E10C060</i>	<i>106.476</i>	<i>09/04/2000</i>	<i>Maintain records of tank service.</i>
<i>C09A032</i> <i>E10C060</i>	<i>106.476</i>	<i>09/04/2000</i>	<i>Maintain records of tank service.</i>

Draft

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program
Table 1a: Additions

Date: April 22, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
1	P10K105	OP-UA17	60NNN-01	VOC	40 CFR Part 60, Subpart NNN	<i>60.662(b), 60.18</i> 60.660(c)(6)
1	<i>P10K105</i>	<i>OP-UA17</i>	<i>60NNN-02</i>	<i>VOC</i>	<i>40 CFR Part 60, Subpart NNN</i>	<i>60.662(a)</i>

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program
Table 1b: Additions

Date: April 22, 2024	Regulated Entity No.: RN100219351	Permit No.: O1919
Company Name: Union Carbide Corporation	Area Name: Low Pressure Oxo & Synthesis Gas Supply Unit	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
1	P10K105	60NNN-01	VOC	<i>60.663(b), (b)(1)-(2), 60.664(a), 60.664(d), [G](e)</i> 60.664(h), 60.665(l)(5)	<i>60.663(b)(2), 60.665(b), (b)(3), (d), (f)</i> 60.665(i)	<i>60.665(a)-(b), (b)(3), (k), (l), 60.665(l)(2), (l)(4)</i> 60.665(l), (l)(5), (o)
1	<i>P10K105</i>	<i>60NNN-02</i>	<i>VOC</i>	<i>60.663(c), (c)(1), (d), 60.664(c)</i>	<i>60.663(c)(1), (d), 60.665(b), (b)(2), 60.665(b)(2)(i), (c), (c)(4), (d)-(e)</i>	<i>60.665(a), (b), (b)(2), (b)(2)(i), 60.665(c), (c)(4), (k), (l), (l)(1)-(3)</i>

Texas Commission on Environmental Quality

Title V Existing

1919

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE OXO & SYNTHESIS GAS SUPPLY UNIT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.375833
Longitude (W) (-###.#####)	94.945277
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100219351
What is the name of the Regulated Entity (RE)?	UNION CARBIDE
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3301 5TH AVE S
City	TEXAS CITY
State	TX
ZIP	77590
County	GALVESTON
Latitude (N) (##.#####)	29.3775
Longitude (W) (-###.#####)	-94.943055
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305

State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MRS
First	LISA
Middle	
Last	CASHBAUGH SANCHEZ
Suffix	
Credentials	
Title	SENIOR SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 471
Routing (such as Mail Code, Dept., or Attn:)	
City	TEXAS CITY
State	TX
ZIP	77592
Phone (###-###-####)	4096414141
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	lmcashbaugh@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	FRAN FALCON(THE DOW CHEMICA...)
Prefix	THE DOW CHEMICAL COMPANY
First	MS
Middle	FRAN
Last	FALCON
Suffix	
Credentials	
Title	EH&S REGIONAL LEVERAGED DELIVERY DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

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

332 HIGHWAY 332 E

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

LJ APB 2A145B

City

LAKE JACKSON

State

TX

Zip

77566

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

9792389764

Extension

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

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

E-mail

FQFALCON@DOW.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

New Contact

Organization Name

The Dow Chemical Company

Prefix

MRS

First

Crystal

Middle

Last

Schmidt

Suffix

Credentials

Title

Air Permit Manager

Enter new address or copy one from list:

Duly Authorized Representative Contact Address

Mailing Address

Address Type

Domestic

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

332 HIGHWAY 332 E

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

City

LAKE JACKSON

State

TX

ZIP

77566

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

9792381742

Extension

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

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

E-mail

cschmidt6@DOW.COM

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 22 Min 33 Sec

3) Permit Longitude Coordinate:

94 Deg 56 Min 43 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) Who will electronically sign this Title V application?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name	OP_1_Form OP-1.pdf
Hash	06D5B6437059BC9DCE0776248CDCE388B507D528E5D3F5867D6197EC97579A29
MIME-Type	application/pdf

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

[File Properties]

File Name	OP_2_Form OP-2.pdf
Hash	D5A6103B698CB88D6A8A831D3738197EF0426E1F6AEBBC502D889C7AEE020A05C
MIME-Type	application/pdf

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name	OP_REQ3_Form OP-REQ3.pdf
Hash	1A1E9D1744D0619ED078998E51F02BF40018FE7A03CFB9B217AD32DE4109DFE0
MIME-Type	application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP_PBRSUP_Form OP-PBRSUP.pdf
Hash	9EBB556EB2296EFBEADF27E4715A656006371DDB596A5B1A6A54564D716CF09F
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP_SUMR_Form OP-SUMR.pdf
Hash	3A78D57E549F395A1021A70487076D0ADB3C6E392FD5168E2A12E8C238DE6D47

MIME-Type

application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name

Form_OP-UAs.pdf

Hash

4C49BFFD509172CF3B21DCCA3CE3367114340D135EED9AAA56C2AC6616867043

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

Cover Letter.pdf

Hash

49473E4055DF0F6AA9002CBD2BC5673161315DA63B14B18FAE287DD727B5FA11

MIME-Type

application/pdf

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

Expedite Title V

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

No

Certification

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

1. I am Fran Q Falcon, the owner of the STEERS account ER028176.
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 1919.
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: Fran Q Falcon OWNER OPERATOR

Account Number:	ER028176
Signature IP Address:	165.225.32.244
Signature Date:	2024-04-22
Signature Hash:	4725663576DE3F41DE74D82CB21CFB9BFB69E4422881212DCE899ECE17426B81
Form Hash Code at time of Signature:	E910279702EA47508DEA1607D72D1D13A8F4EB09BA9CEC4832EC77FF367036F0

Submission

Reference Number:	The application reference number is 649341
Submitted by:	The application was submitted by ER028176/Fran Q Falcon
Submitted Timestamp:	The application was submitted on 2024-04-22 at 17:09:31 CDT
Submitted From:	The application was submitted from IP address 165.225.32.244
Confirmation Number:	The confirmation number is 536236
Steers Version:	The STEERS version is 6.73
Permit Number:	The permit number is 1919

Additional Information

Application Creator: This account was created by Crystal Schmidt