

Texas Commission on Environmental Quality

Title V Existing

2031

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	GLYCOL ETHERS UNIT & OXIDE DERIVATIVES UNIT
County	CALHOUN
Latitude (N) (##.#####)	28.516388
Longitude (W) (-###.#####)	96.776666
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)?	RN102181526
What is the name of the Regulated Entity (RE)?	UCC SEADRIFT OPERATIONS
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	7501 STATE HIGHWAY 185 N
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.515
Longitude (W) (-###.#####)	-96.771666
Facility NAICS Code	
What is the primary business of this entity?	MANUFACTURING ORGANIC CHEMICALS & THERMOPLASTIC RE

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	HEATHER
Middle	
Last	LYONS
Suffix	
Credentials	
Title	LEAD 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 186
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979
Phone (###-###-####)	3615532266
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	HLyons@dow.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	FERNANDO FROLLINI(UNION CARBIDE C...)
Organization Name	UNION CARBIDE CORPORATION
Prefix	MR
First	FERNANDO
Middle	
Last	FROLLINI
Suffix	
Credentials	
Title	RESPONSIBLE CARE 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 186
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
Zip	77979
Phone (###-###-####)	3615716238

Extension

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

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

E-mail

f.frollini@dow.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

VANESSA PEPPERS(UNION CARBIDE C...)

Organization Name

UNION CARBIDE CORPORATION

Prefix

MRS

First

VANESSA

Middle

Last

PEPPERS

Suffix

Credentials

Title

ENVIRONMENTAL SPECIALIST

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

PO BOX 186

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

City

PORT LAVACA

State

TX

ZIP

77979

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

3615532174

Extension

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

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

E-mail

VPeppers@dow.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

28 Deg 30 Min 59 Sec

3) Permit Longitude Coordinate:

96 Deg 46 Min 36 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

No

requirements?

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

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 any other necessary information needed to complete the permit.

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

[File Properties]

File Name	O2031 T5 Minor Revision Application 06-27-2025.pdf
Hash	5A86432B372C75147FA4218E7496297A19EADA13A184E86CD1462504CEFF46AB
MIME-Type	application/pdf

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
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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 Fernando Frollini, the owner of the STEERS account ER100782.
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 2031.
- 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: Fernando Frollini OWNER OPERATOR

Account Number:	ER100782
Signature IP Address:	165.225.32.112
Signature Date:	2025-06-30
Signature Hash:	60612B9C913A6EE7573B7B8EDEF1DF44C01523E226D9CACEA6740E4692B5EB52
Form Hash Code at time of Signature:	C5ED38FF45C0C29E6E431F1E11F384E5779C851F00ECEB69E99E94DB2198264C

Submission

Reference Number:	The application reference number is 768853
Submitted by:	The application was submitted by ER100782/Fernando Frollini
Submitted Timestamp:	The application was submitted on 2025-06-30 at 14:06:45 CDT
Submitted From:	The application was submitted from IP address 165.225.32.112
Confirmation Number:	The confirmation number is 661748
Steers Version:	The STEERS version is 6.92
Permit Number:	The permit number is 2031

Additional Information

Application Creator: This account was created by Vanessa N Peppers



June 27, 2025

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; RN102181526
Oxide Derivatives/Glycol Ethers Units – Title V Operating Permit O2031
Site Operating Permit Minor Revision Application

Dear Mr. Bowers,

The purpose of this submittal is to apply for a Title V minor revision in compliance with 30 TAC Chapter 122, Subchapter, C §122.215 and §122.217, for Federal Operating Permit No. O2031, Oxide Derivatives/Glycol Ethers Units. This minor revision is being submitted to incorporate units that are a part of a new Alkoxylation Unit that was authorized via NSR 170759, which was approved on 8/28/2023.

The following forms are included in this submittal as part of the permit application:

- Form OP-2
- Form OP-SUMR
- Form OP-UAs
- Form OP-REQ1 (87-88 only)
- Form OP-REQ3

For future correspondence regarding this permit application, Vanessa Peppers can be contacted at 361-553-2174 or via email at VPeppers@dow.com.

Sincerely,

A handwritten signature in blue ink that reads "Vanessa Peppers".

Vanessa Peppers
Environmental Manager

enclosure

cc:
US EPA Region 6
TCEQ Air Section Manager, Region 14

R6AirPermitsTX@epa.gov
R14APDMail@tceq.texas.gov



Union Carbide Corporation

Permit O2031 Oxide Derivatives/Glycol Ethers Units

Site Operating Permit Minor Revision Application

June 27, 2025

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Section 1 - Administrative Forms

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

Date: June 27, 2025	
Permit No.: O2031	
Regulated Entity No.: RN102181526	
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)
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 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: June 27, 2025
Permit No.: O2031
Regulated Entity No.: RN102181526
Company Name: Union Carbide Corporation

Using the table below, provide a description of the 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-A	YES	1401	OP-UA15	170759	Please add this unit to the Title V Permit. Please add 30 TAC Chapter 115, Vent Gas Controls positive applicability to this unit.
2	MS-A	YES	1411	OP-UA15	170759	Please add this unit to the Title V Permit. Please add 30 TAC Chapter 115, Vent Gas Controls positive applicability to this unit.
3	MS-A	YES	1501	OP-UA15	170759	Please add this unit to the Title V Permit. Please add 30 TAC Chapter 115, Vent Gas Controls positive applicability to this unit.
4	MS-A	YES	1412	OP-UA3	170759	Please add this unit to the Title V Permit. Please add 30 TAC Chapter 115, Storage of VOC positive applicability to this unit.
5	MS-A	YES	1435	OP-UA1	170759	Please add this unit to the Title V Permit. Please add 40 CFR Part 63 Subpart PPP, Polyether Polyols Production positive applicability to this unit.

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

Date: June 27, 2025
Permit No.: O2031
Regulated Entity No.: RN102181526
Company Name: Union Carbide Corporation

Revision No.	Revision Code		Unit/Group	Process	NSR Authorization.	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
6	MS-A	YES	790	OP-UA1	170759	Please add this unit to the Title V Permit. Please add 40 CFR Part 63 Subpart PPP, Polyether Polyols Production positive applicability to this unit.
7	MS-A	YES	795	OP-UA1	170759	Please add this unit to the Title V Permit. Please add 40 CFR Part 60 Subpart VVb and 40 CFR Part 63 Subpart PPP, Polyether Polyols Production positive applicability to this unit.
8	MS-A	NO	N/A	OP-REQ1	N/A	Union Carbide Corporation (UCC) is requesting to update the Preconstruction Authorizations. Please see the attached Form OP-REQ1 .

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

Date: June 27, 2025	
Permit No.: O2031	
Regulated Entity No.: RN102181526	
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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
Phosphoric Acid	The increase in emissions is due to the installation of a phosphoric acid tank, as well as corresponding fugitive emissions.
Particulate Matter	The increase in emissions is due to the installation of a cooling tower.
Volatile Organic Compounds	The increase in emissions is due to the installation of a diethylene glycol tank, as well as corresponding fugitive and maintenance, startup, and shutdown emissions.

**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 27, 2025	O2031	RN102181526

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	1401	OP-UA15	R1401 REACTOR		170759	
A	2	1411	OP-UA15	D1411 DROP TANK		170759	
A	3	1501	OP-UA15	R1501 REACTOR		170759	
A	4	1412	OP-UA3	STORAGE TANK 1412		170759	
A	5	1435	OP-UA1	STORAGE TANK 1435		170759	
A	6	790	OP-UA1	PEG COOLING TOWER		170759	
A	7	795	OP-UA1	PEG FUGITIVE EMISSIONS		170759	

Section 2 – Unit Attribute Forms

Texas Commission on Environmental Quality
Miscellaneous Unit Attributes
Form OP-UA1 (Page 1)
Federal Operating Permit Program

Date:	June 27, 2025
Permit No.:	O2031
Regulated Entity No.:	RN102181526

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
1435	63PPP-01	EU				<p><i>Please add General High Level Applicability to 40 CFR Part 60, Subpart PPP.</i></p> <p><i>Surge Control Vessel. 46,130 gallons, 0.0002 psia</i></p>
790	63PPP-01	EP				<p><i>Please add General High Level Applicability to 40 CFR Part 60, Subpart PPP.</i></p> <p><i>Recirculating heat exchange system</i></p>
795	60VVB-01	EU				<p><i>Please add General High-Level Applicability to 40 CFR Part 60, Subpart VVb.</i></p> <p><i>Alkoxylation Plant is producing PEG 8000 as the final product. Polyethylene glycol (CAS 25322-68-3) which is a listed SOCM chemical under NSPS VV</i></p>
795	63PPP-01	EU				<p><i>Please add General High Level Applicability to 40 CFR Part 60, Subpart PPP.</i></p> <p><i>Fugitive components. 10 PRDs to atmosphere. 3 have rupture disks 6=Non hazardous (steam, water, etc.) 1=acetic acid 9 psig Not applicable = 6 Devices that are actuated either by a pressure of less than or equal to 2.5 psig or by a vacuum</i></p>

**Texas Commission on Environmental Quality
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)**

Date	Permit No.	Regulated Entity No.
June 27, 2025	O2031	RN102181526

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRP-HON2		NO		VOC2	C1K-25K			
GRP-EXDATE		NO		VOC2	C1K-25K			
666		NO		VOC2	C1K-25K			
782		NO		VOC2	C1K-25K			
783		NO		VOC2	C1K-25K			
1412	R5112-01	NO		VOC2	C1K-25K			

**Texas Commission on Environmental Quality
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)**

Date	Permit No.	Regulated Entity No.
June 27, 2025	O2031	RN102181526

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.
GRP-HON2		NCE	NONE2	1.5-B				
GRP-EXDATE		NCE	NONE2	1.5-B				
666		NCE	NONE2	1.5-B				
782		NCE	NONE2	1.5-B				
783		NCE	NONE2	1.5-B				
1412	R5112-01	NCE	VRS2	1.5-B				

**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.
June 27, 2025	O2031	RN102181526

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
<i>GRP-HONV</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>		<i>100-</i>		
<i>780</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>		<i>100-</i>		
<i>121-1</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>		<i>100-</i>		
<i>A-125</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>		<i>100-</i>		
<i>RCYTK</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>		<i>100-</i>		
<i>1401</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>				
<i>1501</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>				
<i>1411</i>	<i>R5121-01</i>	<i>NO</i>	<i>NO</i>	<i>CLASVOC</i>				

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

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

Texas Commission on Environmental Quality

[illegible]

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

Section 3 - Applicability Identification Forms

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

Date:	June 27, 2025
Permit No.:	O2031
RN No.:	RN102181526

Form OP-REQ1: Page 87

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

E. PSD Permits and PSD Major Pollutants

PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

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):

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:

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.: 9537	Issuance Date: 7/10/2017	Authorization No.: 47091	Issuance Date: 12/9/2021
Authorization No.: 378	Issuance Date: 6/14/2024	Authorization No.: 170759	Issuance Date: 8/28/2023
Authorization No.: 22321	Issuance Date: 10/05/2023	Authorization No.:	Issuance Date:

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

Date:	June 27, 2025
Permit No.:	O2031
RN No.:	RN102181526

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR No.: 106.261	Version No./Date: 11/1/2003
PBR No.: 106.262	Version No./Date: 11/1/2003
PBR No.: 106.263	Version No./Date: 11/1/2001
PBR No.: 106.264	Version No./Date: 9/4/2000
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
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:

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

Date: June 27, 2025	Regulated Entity No.: RN102181526	Permit No.: O2031
Company Name: Union Carbide Corporation	Area Name: Oxide Derivatives/Glycol Ethers Units	

Revision No.	Unit/Group/Process		SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement	
	ID No.	Applicable Form			Name	Standard(s)
<i>1</i>	<i>1401</i>	<i>OP-UA15</i>	<i>R5121-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Vent Gas Controls</i>	<i>115.127(c)(1)(B), 115.127(c)(1)</i>
<i>2</i>	<i>1411</i>	<i>OP-UA15</i>	<i>R5121-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Vent Gas Controls</i>	<i>115.127(c)(1)(B), 115.127(c)(1)</i>
<i>3</i>	<i>1501</i>	<i>OP-UA15</i>	<i>R5121-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Vent Gas Controls</i>	<i>115.127(c)(1)(B), 115.127(c)(1)</i>
<i>4</i>	<i>1412</i>	<i>OP-UA3</i>	<i>R5112-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Storage of VOCs</i>	<i>115.112(c)(1)</i>
<i>5</i>	<i>1435</i>	<i>OP-UA1</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart PPP</i>	<i>General High Level Applicability</i>
<i>6</i>	<i>790</i>	<i>OP-UA1</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart PPP</i>	<i>General High Level Applicability</i>
<i>7</i>	<i>795</i>	<i>OP-UA1</i>	<i>60VVb-01</i>	<i>VOC</i>	<i>40 CFR Part 60, Subpart VVb</i>	<i>General High Level Applicability</i>
<i>7</i>	<i>795</i>	<i>OP-UA1</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart PPP</i>	<i>General High Level Applicability</i>

**Applicable Requirements Summary
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Federal Operating Permit Program
Table 1a: Additions**

Date: June 27, 2025	Regulated Entity No.: RN102181526	Permit No.: O2031
Company Name: Union Carbide Corporation	Area Name: Oxide Derivatives/Glycol Ethers Units	

Revision No.	Unit/Group/ Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
<i>1</i>	<i>1401</i>	<i>R5121-01</i>	<i>VOC</i>	<i>[GR]115.125,[R]115.126(2)</i>	<i>[R]115.126, [R]115.126(2)</i>	<i>NONE</i>
<i>2</i>	<i>1411</i>	<i>R5121-01</i>	<i>VOC</i>	<i>[GR]115.125,[R]115.126(2)</i>	<i>[R]115.126, [R]115.126(2)</i>	<i>NONE</i>
<i>3</i>	<i>1501</i>	<i>R5121-01</i>	<i>VOC</i>	<i>[GR]115.125,[R]115.126(2)</i>	<i>[R]115.126, [R]115.126(2)</i>	<i>NONE</i>
<i>4</i>	<i>1412</i>	<i>R5112-01</i>	<i>VOC</i>	<i>[D]115.114(c)(1)(A), [D]115.114(c)(2)(A)</i>		<i>[D]115.114(c)(1)(B), [D]115.114(c)(2)(B)</i>
<i>5</i>	<i>1435</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>
<i>6</i>	<i>790</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>
<i>7</i>	<i>795</i>	<i>60VVb-01</i>	<i>VOC</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>
<i>7</i>	<i>795</i>	<i>63PPP-01</i>	<i>HAPS</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>	<i>General High Level Applicability</i>

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