

Texas Commission on Environmental Quality

Title V Existing

1421

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	BAYPORT CHOATE PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	10801 CHOATE RD
City	PASADENA
State	TX
ZIP	77507
County	HARRIS
Latitude (N) (##.#####)	29.620833
Longitude (W) (-###.#####)	95.050555
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)?	RN102523107
What is the name of the Regulated Entity (RE)?	LYONDELL CHEMICAL BAYPORT CHOATE PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	10801 CHOATE RD
City	PASADENA
State	TX
ZIP	77507
County	HARRIS
Latitude (N) (##.#####)	29.621111
Longitude (W) (-###.#####)	-95.051111
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL MFG

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN600344402
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Lyondell Chemical Company
Texas SOS Filing Number	6763606
Federal Tax ID	954160558
State Franchise Tax ID	19541605580
State Sales Tax ID	
Local Tax ID	
DUNS Number	194123154
Number of Employees	251-500
Independently Owned and Operated?	

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	LYONDELL CHEMICAL COMPANY
Prefix	MRS
First	AMY
Middle	
Last	CALDWELL
Suffix	
Credentials	
Title	BAYPORT PROPYLENE OXIDE PLANT SITE MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	10801 CHOATE RD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77507
Phone (###-###-####)	2812911403
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Amy.Caldwell@lyondellbasell.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	AMANDA ARMSTRONG(LYONDELL CHEMIC...)
Organization Name	LYONDELL CHEMICAL COMPANY
Prefix	MRS
First	AMANDA
Middle	
Last	ARMSTRONG
Suffix	
Credentials	
Title	OPERATIONS MANAGER
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	10801 CHOATE RD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
Zip	77507
Phone (###-###-####)	2812913658
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	amanda.armstrong@lyb.com

Technical Contact

Person TCEQ should contact for questions about this

application:

Select existing TC contact or enter a new contact.	DEREK RODRICKS(LYONDELL CHEMIC...)
Organization Name	LYONDELL CHEMICAL COMPANY
Prefix	MR
First	DEREK
Middle	
Last	RODRICKS
Suffix	
Credentials	
Title	PRINCIPAL ENVIRONMENTAL ENGINEER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	10801 CHOATE RD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77507
Phone (###-###-####)	2812911684
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	derek.rodricks@lyondellbasell.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 37 Min 15 Sec
3) Permit Longitude Coordinate:	95 Deg 3 Min 2 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?	Notification
4.1.1. Does this project meet all applicable requirements of Chapter 122.222?	Yes
4.1.2. How many changes are to be included as part of this notification?	4
5) Who will electronically sign this Title V application?	Duly Authorized Representative

Title V OP-NOTIFY

OP-NOTIFY#: 1

Notification Type:	OFFPMT
Date of Change:	09/03/2024
Emission Units Affected:	TEMP-TO2
Authorization Type:	REGSP
Select the applicable Standard Permit registration:	175370
Select the associated project for the Standard Permit selected above:	373810 - AMEND - 13-JUN-24
Description of Change:	A standard permit Non-rule Pollution Control Project, registration number 175370 authorized the use of a temporary, trailer-mounted thermal oxidizer TO under EPN TEMP-TO2 as an alternative control for planned maintenance startup/shutdown MSS emissions from

the emptying, clearing and degassing equipment and piping at the Bayport Plant Ethers Unit during a planned shutdown/turnaround at the Bayport Choate Plant in Harris County, Texas. The associated pollutants are PM 0.05 TPY, PM10 0.05 TPY, PM2.5 0.05 TPY VOC 0.20 TPY, NOx 0.38 TPY, CO 3.54 TPY, Acetone 0.09 TPY and SO2 emissions 0.05 TPY. Potentially applicable regulations are 30 TAC Chapter 111, 30 TAC Chapter 115, and 40 CFR Part 60 Subpart Kb, 40 CFR 60 Subpart NNN, and 40 CFR 63 Subpart FFFF.

OP-NOTIFY#: 2

Notification Type:	OFFPMT
Date of Change:	09/03/2024
Emission Units Affected:	BLOFUG, B1550, B1501
Authorization Type:	PBRNR
Enter the Permit by Rule (PBR) rule number (i.e., 106.183) for the unregistered PBR.	106.261,106.262
Description of Change:	Lyondell proposes to authorize an increase in Propylene Oxide and Tertiary Butyl Alcohol production associated with debottleneck project modifications at the plant. A 106.261 and 106.262 PBR registration application was submitted on August 30, 2024 through STEERS Application Reference Number 678729, Permit Number 177403, Project Number 379145 to authorize the emission increase associated with the project. The associated pollutants are VOC 1.24 TPY, NOx 0.13 TPY, CO 0.93 TPY and Acetone 1.30 TPY. Potential applicable regulatory requirements for the affected sources remain unchanged with this project.

OP-NOTIFY#: 3

Notification Type:	OFFPMT
Date of Change:	09/03/2024
Emission Units Affected:	TEMP-TO2, LOADFUG, T
Authorization Type:	PBRNR
Enter the Permit by Rule (PBR) rule number (i.e., 106.183) for the unregistered PBR.	106.263
Description of Change:	Lyondell proposes to authorize maintenance emissions associated with the RTBE Reactor Float and Hot Wash Material Storage and Loading at the Lyondell Chemical Company Lyondell RTBE Unit located at the Lyondell Bayport Choate Plant. Lyondell is claiming Permit by Rule PBR 106.263 Routine Maintenance, Startup and Shutdown of Facilities, and Temporary Maintenance Facilities for the maintenance activities. The associated pollutants are VOC 1.24 TPY, NOx 0.01 TPY, CO 0.01 TPY, PM/PM10, and PM2.5 0.01 TPY and Acetone 0.01 TPY. Potentially applicable regulations are 30 TAC Chapter 111, 30 TAC Chapter 115, and 40 CFR 63 Subpart FFFF.

OP-NOTIFY#: 4

Notification Type:	OFFPMT
Date of Change:	09/03/2024
Emission Units Affected:	D-3610, D-3620
Authorization Type:	PBRNR

Enter the Permit by Rule (PBR) rule number (i.e., 106.183) for the unregistered PBR.

106.263

Description of Change:

Lyondell proposes to authorize the maintenance projects associated with the partial replacement of two existing columns, D-3610 and D-3620, at the Lyondell Chemical Company Lyondell Propylene Oxide Unit located at the Lyondell Bayport Choate Plant. Lyondell is claiming Permit by Rule PBR 106.263 Routine Maintenance, Startup and Shutdown of Facilities, and Temporary Maintenance Facilities for this replacement projects. Columns D-3610 and D-3620 are not themselves direct sources of emissions to the atmosphere therefore, there are no emissions increases associated with this project. Potential applicable regulatory requirements for the affected sources remain unchanged with this project.

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 Amanda Armstrong, the owner of the STEERS account ER107580.
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 1421.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Amanda Armstrong OWNER OPERATOR

Customer Number:

CN600344402

Legal Name:

Lyondell Chemical Company

Account Number:

ER107580

Signature IP Address:

65.216.3.125

Signature Date:

2024-09-03

Signature Hash:

D6A42FBCF391C799D5145D8256454AFA4B1F610
FB7D58730293C00B415ADDD4D

Form Hash Code at time of Signature:

98DF2F4F402D8E0A174364BE38A1B71682520549
3D1C06D7F7D1952EDAE6E75C

Submission

Reference Number:

The application reference number is 679492

Submitted by:

The application was submitted by
ER107580/Amanda Armstrong

Submitted Timestamp:

The application was submitted on 2024-09-03 at
14:00:09 CDT

Submitted From:

The application was submitted from IP address
65.216.3.125

Confirmation Number:

The confirmation number is 560947

Steers Version:

The STEERS version is 6.82

Permit Number:

The permit number is 1421

Additional Information

Application Creator: This account was created by Derek Rodricks