

Texas Commission on Environmental Quality

Title V Existing

2327

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	OLEFINS BUSINESS UNIT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	2 miles south of intersection FM 2004 and fm 2917
City	Alvin
State	TX
ZIP	77512
County	BRAZORIA
Latitude (N) (##.#####)	29.224444
Longitude (W) (-###.#####)	95.1975
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)?	RN100238708
What is the name of the Regulated Entity (RE)?	CHOCOLATE BAYOU PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	2 MI S OF INTX OF FM 2917 AND FM 2004
City	ALVIN
State	TX
ZIP	77511
County	BRAZORIA
Latitude (N) (##.#####)	29.224444
Longitude (W) (-###.#####)	-95.1975
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL FACILITY

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602817884
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	INEOS USA LLC
Texas SOS Filing Number	800472776
Federal Tax ID	201981933
State Franchise Tax ID	12019819338
State Sales Tax ID	
Local Tax ID	

DUNS Number	623804809
Number of Employees	101-250
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	INEOS USA LLC
Prefix	MR
First	GREG
Middle	
Last	BLANCHARD
Suffix	
Credentials	
Title	SITE MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1488
Routing (such as Mail Code, Dept., or Attn:)	
City	ALVIN
State	TX
ZIP	77512
Phone (###-###-####)	2815813201
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2815813604
E-mail	greg.blanchard@ineos.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	INEOS USA LLC
Prefix	MS
First	Sheila
Middle	
Last	Chang
Suffix	
Credentials	PE PHD
Title	Air Permit Lead
Enter new address or copy one from list:	Responsible Official Contact
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1488
Routing (such as Mail Code, Dept., or Attn:)	

City	ALVIN
State	TX
ZIP	77512
Phone (###-###-####)	2815354257
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2815813604
E-mail	sheila.chang@ineos.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 13 Min 28 Sec
3) Permit Longitude Coordinate:	95 Deg 11 Min 51 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Streamlined Revision
4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?	No
4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

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.

[File Properties]

File Name	Revision Application Report 06-26-26.pdf
Hash	00FBC7FA0367CCAB588B53C1A0F2FCC55BEEB45042B87F49B8C4CB27EF10F079
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
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Certification

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

1. I am Greg Blanchard, the owner of the STEERS account ER067125.
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 2327.
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: Greg Blanchard OWNER OPERATOR

Account Number:	ER067125
Signature IP Address:	8.227.26.142
Signature Date:	2026-06-26
Signature Hash:	42BA6FCE98E1AB67DAB0D4DEF2DC109A708E236DBBD968C891A445AFEFF79FBE
Form Hash Code at time of Signature:	D071C161FA466AF72BEC32A63EFFA589CF459E5FE58D5FC3D8757743C78B7A95

Submission

Reference Number:	The application reference number is 936125
Submitted by:	The application was submitted by ER067125/Greg Blanchard

Submitted Timestamp:

The application was submitted on 2026-06-26 at 12:07:09 CDT

Submitted From:

The application was submitted from IP address 8.227.26.142

Confirmation Number:

The confirmation number is 779507

Steers Version:

The STEERS version is 6.94

Permit Number:

The permit number is 2327

Additional Information

Application Creator: This account was created by Xinlian Chang

INEOS

Olefins & Polymers USA

INEOS USA LLC
d/b/a INEOS Olefins & Polymers USA
Chocolate Bayou Works
Two Miles South of FM 2917 on FM 2004
P.O. Box 1488
Alvin, Texas 77512
Direct: (281) 581-3500
Mobile: (281) 581-3604
www.ineos-op.com

June 25, 2026

Submitted Via STEERS

Texas Commission on Environmental Quality
Air Permits Initial Review Team (APIRT), MC-161
12100 Park 35 Circle
Building C, Third Floor
Austin, TX 78753

**Re: Application for Revision
Title V Permit O2327
INEOS USA LLC (CN602817884)
Chocolate Bayou Plant (RN100238708)
Alvin, Brazoria County, Texas**

Dear Sir or Madam:

INEOS USA LLC (INEOS) is hereby submitting the enclosed Title V revision application package for its Chocolate Bayou Plant located in Alvin, Brazoria County. In accordance with 30 TAC §122.216 for minor revision, the supporting documentation required for federal operating permit revision is included in the enclosed report.

Additional copies of the application package have been emailed to the TCEQ Region 12 Office and to the U.S. Environmental Protection Agency (EPA) Region 6.

Should you have any questions regarding this application, please contact Sheila Chang at (281) 535-4257 or Sheila.Chang@ineos.com, or Xuemei Feng at (281) 581-3399 or Xuemei.Feng@ineos.com.

Sincerely,



Greg Blanchard
Site Manager
greg.blanchard@ineos.com

Enclosure: Title V Revision Submittal

cc: Mr. Joseph Doby, Air Section Manager, TCEQ Region 12, Houston, Texas (R12APDMail@tceq.texas.gov)
EPA, Region 6 (R6AirPermitsTX@epa.gov)

Revision Application

Site Operating Permit O2327

INEOS USA LLC / Chocolate Bayou Plant

Brazoria County, Texas

CN602817884

RN100238708

June 2026

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1. PROJECT INFORMATION

INEOS USA LLC (INEOS) owns and operates the Chocolate Bayou Plant in Alvin, Brazoria County, Texas. The Olefins Units at the site are operated under Site Operating Permit (SOP) O2327. The purpose of this application is to revise the SOP to incorporate the identified changes to the onsite engines to ensure the permit reflects current engine information.

This application includes the following application forms:

- OP-CRO1 Certification By Responsible Official
- OP-2 Application for Permit Revision/Renewal
- OP-SUMR Individual Unit Summary for Revisions
- OP-REQ3 Applicable Requirements Summary Form
- OP-PBRSUP Permits By Rule Supplemental Table
- OP-UA2 Stationary Reciprocating Internal Combustion Engine Attributes

The changes requested are summarized below and detailed in the application forms.

- Remove engines that are no longer in service
- Add engines recently authorized under Permit by Rule
- Provide attributes for newly added engines and update attributes for existing engines

2. ADMINISTRATIVE FORMS

This section contains the following forms required for the revision.

- Form OP-CRO1 – Certification by Responsible Official
- Form OP-2 – Application for Permit Revision/Renewal
- Form OP-SUMR – Individual Unit Summary for Revisions
- Form OP-PBRSUP – Permits by Rule Supplemental Table

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

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

I. Identifying Information
RN: 100238708
CN: 602817884
Account No.: BL-0002-S
Permit No.: O2327
Project No.: TBA
Area Name: Olefins Business Unit
Company Name: INEOS USA LLC
II. Certification Type <i>(Please mark appropriate box)</i>
☒ Responsible Official ☐ Duly Authorized Representative
III. Submittal Type <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
☐ SOP/TOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application ☐ Update to Permit Application
☐ Other: _____

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

All initial issuance, revision, and renewal permit application submittals requiring certification must be accompanied by this form. Updates to acid rain or CSAPR (other than public notice verification materials) must be certified prior to authorization of public notice for the draft permit.

IV. Certification of Truth			
This certification does not extend to information which is designated by TCEQ as information for reference only.			
I, <u>Greg Blanchard</u> certify that I am the <u>RO</u> <i>(Certifier Name printed or typed)</i><i>(RO or DAR)</i>			
and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete: <i>Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).</i>			
Time Period: From _____ to _____ <i>(Start Date)</i><i>(End Date)</i>			
Specific Dates: <u>06/26/2026</u> _____ <i>(Date 1)</i><i>(Date 2)</i><i>(Date 3)</i><i>(Date 4)</i>			
_____ <i>(Date 5)</i><i>(Date 6)</i>			
Signature: <u></u>		Signature Date: <u>06/26/2026</u>	
Title: <u>Site Manager</u>			

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

Date: 06/26/2026
Permit No.: 02327
Regulated Entity No.: RN100238708
Company Name: INEOS USA LLC
For Submissions to EPA
Has an electronic copy of this application been submitted (or is being submitted) to EPA? ☒ YES ☐ NO
I. Application Type
Indicate the type of application:
☐ Renewal
☒ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)
☐ Significant Revision
☐ Revision Requesting Prior Approval
☐ Administrative Revision
☐ Response to Reopening
II. Qualification Statement
For SOP Revisions Only ☒ YES ☐ NO
For GOP Revisions Only ☐ YES ☐ NO

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

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

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

Date: 06/26/2026
Permit No.: 02327
Regulated Entity No.: RN100238708
Company Name: INEOS USA LLC

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.				
1	MS-C	Yes	AG-1203D		OP-UA2	106.511/09/04/2000	Add engine to the permit as a part of the newly added group GRP-ENGINES6 (Revision 20).
2	MS-C	Yes	AG-203C		OP-UA2	106.511/09/04/2000	Add engine to the permit as a part of the newly added group GRP-ENGINES6 (Revision 20).
3	MS-C	No	AG-1203C		OP-UA2	106.511/09/04/2000	Remove engine from the permit. Engine is replaced by AG-1203D.
4	MS-C	No	AG-203B		OP-UA2	106.511/09/04/2000	Remove engine from the permit. Engine is replaced by AG-203C.
5	MS-C	No	P-0164		OP-UA2	106.512/06/13/2001	Remove engine from the permit. Engine is being updated as P-ESP (Revision 23).
6	MS-C	No	P-179		OP-UA2	106.511/09/04/2000	Remove engine from the permit (replaced by an electric pump).
7	MS-C	No	GRP-ENGINES1		OP-UA2	NA	Remove the group and associated requirements from the permit; this group includes P-0164 and P-179.
8	MS-C	Yes	AG-2705D		OP-UA2	106.512/06/13/2001 [75608]	Add engine to the permit as a part of GRP-ENGINES8 (Revision 22)
9	MS-C	No	AN-402		OP-UA2	106.511/09/04/2000	Update engine rated horsepower.
10	MS-C	No	DM-177		OP-UA2	106.511/09/04/2000	Update engine rated horsepower.
11	MS-C	No	AN-402		OP-UA2	106.511/09/04/2000	Remove AN-402 from Group GRP-ENGINES5 and provide updated horsepower and applicable requirements for AN-402. Retain the permit shield for 40 CFR 60 Subpart IIII as in current permit since the engine was manufactured prior to 04/01/2006 and not modified/reconstructed after 07/11/2005.

Revision No.	Revision Code	New Unit	Unit/Group		Process		NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.		Applicable Form			
12	MS-C	Yes	EMERHURRICANE1		OP-UA2		106.511/09/04/2000	Add engine to the permit as a part of the newly added group GRP-ENGINES7 (Revision 21).
13	MS-C	Yes	EMERHURRICANE2		OP-UA2		106.511/09/04/2000	Add engine to the permit as a part of the newly added group GRP-ENGINES7 (Revision 21).
14	MS-C	No	DCPCOMP1		OP-UA2		106.512/06/13/2001 [177025]	Retain the Unit ID but engine is being updated with a 2022 model year engine. Update engine rated horsepower and PBR registration number as shown on OP-SUMR. Move engine from group GRP-ENGINES4 to GRP-ENGINES8. GRP-ENGINES4 is being removed (Revision 30).
15	MS-C	No	DCPCOMP2		OP-UA2		106.512/06/13/2001 [177025]	Retain the Unit ID but engine is being updated with a 2023 model year engine. Update engine rated horsepower and PBR registration number as shown on OP-SUMR. Move engine from group GRP-ENGINES4 to GRP-ENGINES8. GRP-ENGINES4 is being removed (Revision 30).
16	MS-C	No	DCPCOMP3		OP-UA2		106.512/06/13/2001 [74968]	Remove engine from the permit (replaced by an electric engine).
17	MS-C	Yes	PICOMP1		OP-UA2		106.512/06/13/2001 [177025]	Add engine to the permit as a part of GRP-ENGINES8 (Revision 22)
18	MS-C	No	OLE2COMP1		OP-UA2		106.512/06/13/2001	Remove engine from the permit (replaced by an electric engine).
19	MS-C	No	OLE2COMP2		OP-UA2		106.512/06/13/2001	Remove engine from the permit (replaced by an electric engine).

Revision No.	Revision Code	New Unit	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.				
20	MS-C	Yes	GRP-ENGINES6		OP-UA2	NA	Add a new engine group for emergency engines installed after 07/11/2005, with a rated power exceeding 500 hp.
21	MS-C	Yes	GRP-ENGINES7		OP-UA2	NA	Add a new engine group for emergency engines installed after 07/11/2005, with a rated power less than or equal to 500 hp.
22	MS-C	Yes	GRP-ENGINES8		OP-UA2	NA	Add a new engine group for non-emergency engines installed after 07/11/2005, with a rated power greater than 175 hp and less than or equal to 300 hp.
23	MS-C	Yes	P-ESP		OP-UA2	106.512/06/13/2001	Add engine to permit.
24	MS-C	No	UTILCMP1		OP-UA2	106.512/06/13/2001 [78483]	Remove engine from permit.
25	MS-C	No	UTILCMP2		OP-UA2	106.512/06/13/2001 [78483]	Remove engine from permit.
26	MS-C	No	UTILCMP3		OP-UA2	106.512/06/13/2001 [78483]	Remove engine from permit.
27	MS-C	No	UTILCMP4		OP-UA2	106.512/06/13/2001 [94567]	Remove engine from permit.
28	MS-C	No	UTILCMP5		OP-UA2	106.512/06/13/2001 [94567]	Remove engine from permit.
29	MS-C	No	UTILCMP6		OP-UA2	106.512/06/13/2001 [94567]	Remove engine from permit.
30	MS-C	No	GRP-ENGINES4		OP-UA2	NA	Remove engine group GRP-ENGINES4.

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

Date: 06/26/2026	
Permit No.: 02327	
Regulated Entity No.: RN100238708	
Company Name: INEOS USA LLC	
I. Significant Revision <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i>	
A. Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☐ YES ☐ NO
B. Indicate the alternate language(s) in which public notice is required:	
C. Will there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☐ 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

**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.
6/26/2026		O2327	RN100238708

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 Title I Authorizations
A	1	AG-1203D	OP-UA2	Cummins Firewater Pump CI ICE - 665 HP		106.511/09/04/2000	
A	2	AG-203C	OP-UA2	Cummins Firewater Pump CI ICE - 665 HP		106.511/09/04/2000	
D	3	AG-1203C	OP-UA2	Detroit Diesel 70837008 CI ICE - 282 HP		106.511/09/04/2000	
D	4	AG-203B	OP-UA2	Detroit Diesel 70877527 CI ICE - 282 HP		106.511/09/04/2000	
D	5	P-0164	OP-UA2	Deutz D914L04 CI ICE - 78 HP		106.512/06/13/2001	
D	6	P-179	OP-UA2	Deutz F4L912 CI ICE - 66 HP		106.512/06/13/2001	
D	7	GRP-ENGINES1	OP-UA2	Stationary CI ICE manufactured prior to 04/01/2006 and not modified/reconstructed after 07/11/2005		NA	
A	8	AG-2705D	OP-UA2	API West Pump - 280 HP		106.512/09/13/2005 [75608]	

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.

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
	9	AN-402	OP-UA2	Detroit Diesel 12V92 CIICE – 503 HP Detroit Diesel CIICE – 335 HP		106.511/09/04/2000	
	10	DM-177	OP-UA2	Cummins QSX15 CIICE – 680 HP Cummins CIICE - 750 HP		106.511/09/04/2000	
	11	AN-402	OP-UA2	Detroit Diesel 12V92 CIICE – 503 HP Detroit Diesel CIICE – 335 HP		NA	
A	12	EMERHURRICANE1	OP-UA	Emergency Engine 1 for Hurricane Season		106.511/09/04/2000	
A	13	EMERHURRICANE2	OP-UA	Emergency Engine 2 for Hurricane Season		106.511/09/04/2000	
	14	DCPCOMP1	OP-UA2	John Deere 613SHFC95 CIICE – 450 HP Diesel Air Compressor 1 - Olefins No. 1 Unit		106.512/06/13/2001 [74968] [177025]	
	15	DCPCOMP2	OP-UA2	John Deere 613SHFC95 CIICE – 450 HP Diesel Air Compressor 2 - Olefins No. 2 Unit		106.512/06/13/2001 [74968] [177025]	
A	17	PICOMP1	OP-UA2	Diesel Air Compressor 1 - Power Island		106.512/06/13/2001 [177025]	
D	18	OLE2COMP1	OP-UA2	John Deere 613SHFC95 CIICE - 450 HP		106.512/06/13/2001	
D	19	OLE2COMP2	OP-UA2	John Deere 613SHFC95 CIICE - 450 HP		106.512/06/13/2001	

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

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

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	20	GRP-ENGINES6	OP-UA2	Emergency engines installed after 07/11/2005, with a rated power exceeding 500 hp (including engines AG-1203D and AG-203C)		NA	
A	21	GRP-ENGINES7	OP-UA2	Emergency engines installed after 07/11/2005, with a rated power less than or equal to 500 hp (including engines EMERHURRICANE1 and EMERHURRICANE2)		NA	
A	22	GRP-ENGINES8	OP-UA2	Non-emergency engines installed after 07/11/2005, with a rated power greater than 175 hp and less than or equal to 300 hp (including engines DCPCOMP1, DCPCOMP2, PICOMP1, and AG-2705D)			
A	23	P-ESP	OP-UA2	Deutz CI ICE - 74 HP		106.512/06/13/2001	
D	24	UTILCMP1	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [78483]	
D	25	UTILCMP2	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [78483]	
D	26	UTILCMP3	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [78483]	
D	27	UTILCMP4	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [94567]	

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.

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
D	28	UTILCMP5	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [94567]	
D	29	UTILCMP6	OP-UA2	John Deere 613SHFC95 CI ICE - 450 HP		106.512/06/13/2001 [94567]	
D	30	GRP-ENGINES4	NA	SRIC ENGINES			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
[Table 2](#)

Date	Permit No.	Regulated Entity No.
06/26/2026	O2327	RN100238708

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	AG-1203D	OP-UA2	A	GRP-ENGINES6
2	AG-203C	OP-UA2	A	GRP-ENGINES6
8	AG-2705D	OP-UA2	A	GRP-ENGINES8
11	AN-402	OP-UA2	D	GRP-ENGINES5
12	EMERHURRICANE1	OP-UA2	A	GRP-ENGINES7
13	EMERHURRICANE1	OP-UA2	A	GRP-ENGINES7
14	DCPCOMP1	OP-UA2	A	GRP-ENGINES8
15	DCPCOMP2	OP-UA2	A	GRP-ENGINES8

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
06/26/2026	O2327	RN100238708

Unit ID No.	Registration No.	PBR No.	Registration Date
PICOMP1	177025	106.512	08/23/2024
DCPCOMP1	177025	106.512	08/23/2024
DCPCOMP2	177025	106.512	08/23/2024
AG-2705D	75608	106.512	09/13/2005

RESET TABLE A

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
06/26/2026	O2327	RN100238708

Unit ID No.	PBR No.	Version No./Date
AG-1203D	106.511	09/04/2000
AG-203C	106.511	09/04/2000
EMERHURRICANE1	106.511	09/04/2000
EMERHURRICANE2	106.511	09/04/2000
P-ESP	106.512	06/13/2001
AN-402	106.511	09/04/2000

RESET TABLE B

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
06/26/2026	O2327	RN100238708

PBR No.	Version No./Date

RESET TABLE C

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
06/26/2026	O2327	RN100238708

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
			Please refer to OP-REQ3 in Section 4

RESET TABLE D

PRINT FORM

3. UNIT ATTRIBUTE FORMS

- Form OP-UA2 – Stationary Reciprocating Internal Combustion Engine Attributes

Stationary Reciprocating Internal Combustions Engine Attributes
Form OP-UA2
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	06/26/2026
Customer Reference No.:	CN602817884
Regulated Entity No.:	RN100238708
Permit No.:	O2327
Permit Area Name:	Chocolate Bayou Plant (Olefins Business Unit)
Permit Type:	SOP
Project Type:	Revision
Submission Type:	New Application
Project Number (if available):	
Form Information	TCEQ Entry Only
Title V Form Release Date:	02/2025
Form Number:	10003
APD ID Number:	27v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Stationary Reciprocating Internal Combustions Engine Attributes
Form OP-UA2
Federal Operating Permit Program
Texas Commission on Environmental Quality

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Table	Regulation	Page	Data Submitted
N/A	N/A	OP-SUM Table 1	Yes
N/A	N/A	OP-SUM Table 2	
N/A	N/A	OP-REQ2	Yes
Table 1a	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 1	Yes
Table 1b	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 2	Yes
Table 1c	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 3	Yes
Table 2a	40 CFR Part 63, Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Page 4	Yes
Table 2b	40 CFR Part 63, Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Page 5	
Table 2c	40 CFR Part 63, Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Page 6	
Table 3	30 TAC Chapter 117, Subchapter E: Multi-Region Combustion Control	Page 7	
Table 4a	40 CFR Part 60, Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Page 8	
Table 4b	40 CFR Part 60, Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Page 9	
Table 5a	40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Page 10	Yes
Table 5b	40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Page 11	Yes
Table 5c	40 CFR Part 60, Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Page 12	Yes

Stationary Reciprocating Internal Combustions Engine Attributes
Federal Operating Permit Program
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Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
A	1	AG-1203D	GRP-ENGINES6	Cummins Firewater Pump CI ICE – 665 HP		A	PBR		106.511	09/04/2000
A	2	AG-203C	GRP-ENGINES6	Cummins Firewater Pump CI ICE – 665 HP		A	PBR		106.511	09/04/2000
D	3	AG-1203C		Detroit Diesel 70837008 CI ICE - 282 HP		D	PBR		106.511	09/04/2000
D	4	AG-203B		Detroit Diesel 70877527 CI ICE - 282 HP		D	PBR		106.511	09/04/2000
D	5	P-0164		Deutz D914L04 CI ICE – 78 HP		A	PBR		106.512	06/13/2001
D	6	P-179		Deutz F4L912 CI ICE - 66 HP		D	PBR		106.512	06/13/2001
D	7	GRP-ENGINES1		not modified/reconstructed after 07/11/2025		D				
A	8	AG-2705D	GRP-ENGINES8	API West Pump - 280 HP		A	PBR	75608	106.512	09/13/2005
	9	AN-402	GRP-ENGINES5	Detroit Diesel CI ICE - 335 HP			PBR		106.511	09/04/2000
	10	DM-177		Cummins CI ICE - 750 HP			PBR		106.511	09/04/2000
	11	AN-402		Detroit Diesel CI ICE - 335 HP			PBR		106.511	09/04/2000
A	12	EMERHURRICANE1	GRP-ENGINES7	Emergency Engine 1 for Hurricane Season		A	PBR		106.511	09/04/2000
A	13	EMERHURRICANE2	GRP-ENGINES7	Emergency Engine 2 for Hurricane Season		A	PBR		106.511	09/04/2000
	14	DCPCOMP1	GRP-ENGINES8	Diesel Air Compressor 1 - Olefins No. 1 Unit		A	PBR	177025	106.512	09/13/2005

Stationary Reciprocating Internal Combustions Engine Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

[illegible]

Stationary Reciprocating Internal Combustions Engine Attributes
Form OP-UA2
Federal Operating Permit Program
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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

Unit ID No.	SOP/GOP Index No.	Horsepower Rating	RACT Date Placed in Service	Functionally Identical Replacement	Type of Service	Fuel Fired	Engine Type	ESAD Date Placed in Service	Diesel HP Rating
GRP-ENGINES6	117B-1				D2001+				
GRP-ENGINES7	117B-1				D2001+				
GRP-ENGINES8	117B-1				ENG	DSL	LEANBURN	2007+	175-300
P-ESP	117B-1				ENG	DSL	LEANBURN	2007+	50-100
AN-402	117B-1				D2001-				

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Stationary Reciprocating Internal Combustions Engine Attributes
Form OP-UA2
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1b: 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

Unit ID No.	SOP/GOP Index No.	NOx Emission Limitation	23-C Option	30 TAC Chapter 116 Limit	EGF System CAP Unit	NOx Averaging Method	NOx Reduction	NOx Monitoring System
GRP-ENGINES6	117B-1				NO			
GRP-ENGINES7	117B-1				NO			
GRP-ENGINES8	117B-1	310D			NO	1HR	POST1	MERT
P-ESP	117B-1	310D			NO	1HR		MERT
AN-402	117B-1				NO			

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Stationary Reciprocating Internal Combustions Engine Attributes
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Texas Commission on Environmental Quality

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

Unit ID No.	SOP/GOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Averaging Method	CO Monitoring System	NH3 Emission Limitation	NH3 Monitoring
GRP-ENGINES6	117B-1						
GRP-ENGINES7	117B-1						
GRP-ENGINES8	117B-1	X40A2-C	310CG	1HR	OTHER	310C	
P-ESP	117B-1	X40A2-C	310CG	1HR	OTHER		
AN-402	117B-1						

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Stationary Reciprocating Internal Combustions Engine Attributes
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Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
GRP-ENGINES6	63ZZZZ-1	MAJOR	500+	06+	NO	EMER-A	
GRP-ENGINES7	63ZZZZ-1	MAJOR	100-250	06+	NO	EMER-A	
GRP-ENGINES8	63ZZZZ-1	MAJOR	250-300	06+	NO	NORMAL	CI
P-ESP	63ZZZZ-1	MAJOR	100-	06+	NO	NORMAL	CI
AN-402	63ZZZZ-1	MAJOR	300-500	02-	NO	EMER-A	

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Stationary Reciprocating Internal Combustions Engine Attributes
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Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
GRP-ENGINES6	60IIII-1	2005+	NONE	FIRE	CON	0706+
GRP-ENGINES7	60IIII-1	2005+	NONE	EMERG	CON	0406+
GRP-ENGINES8	60IIII-1	2005+	NONE	NON	CON	0406+
P-ESP	60IIII-1	2005+	NONE	NON	CON	0406+
AN-402	60IIII-1	2005-				

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Stationary Reciprocating Internal Combustions Engine Attributes
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Texas Commission on Environmental Quality

Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
GRP-ENGINES6	60IIII-1	DIESEL		10-	NO	2017+	
GRP-ENGINES7	60IIII-1	DIESEL		10-	NO	2017+	
GRP-ENGINES8	60IIII-1	DIESEL		10-	NO	2017+	
P-ESP	60IIII-1	DIESEL		10-	NO	2017+	
AN-402	60IIII-1						

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Stationary Reciprocating Internal Combustions Engine Attributes
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Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
GRP-ENGINES6	60IIII-1	F450-560			YES	MANU YES		
GRP-ENGINES7	60IIII-1	E75-130		NO	YES	MANU YES		
GRP-ENGINES8	60IIII-1	N130-368	YES	NO		MANU YES		
P-ESP	60IIII-1	N37-56	NO	NO		MANU YES		
AN-402	60IIII-1							

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4. APPLICABLE REQUIREMENTS SUMMARY FORMS

- OP-REQ3 Applicable Requirements Summary Form

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

Table 1a: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC		
Area Name: Chocolate Bayou Plant (Olefins Business 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)
11	AN-402	OP-UA2	117B-1	NOX	30 TAC 117 Subchapter B	[G] §117.303(a)(10) [G]§117.310(f)
11	AN-402	OP-UA2	63ZZZZ-1	HAP	40 CFR 63 Subpart ZZZZ	§63.6602-Table 2c.1 §63.6595(a)(1) §63.6605(a)-(b) §63.6625(e), (f), (h), (i) §63.6640(f)(1), (f)(2) §63.6640(f)(2)(i), (f)(3)
11	AN-402	OP-UA2	60IIII-1	NMHC+ NOX, PM	40 CFR 60 Subpart IIII	None

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

Table 1b: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business Unit)	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
11	AN-402	117B-1	NOX	None	§117.340(j) §117.345(f) [G]§117.345(f)(6) [G]§117.345(f)(10)	None
11	AN-402	63ZZZZ-1	HAP	§63.6625(i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii	§63.6625(i) §63.6655(e), (f) §63.6660(a)-(c)	§63.6640(e) §63.6650(f)
11	AN-402	60III-1	NMHC, NOX, PM	None	None	None

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

Table 1a: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business 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)
20	GRP-ENGINES6	OP-UA2	117B-1	NOX	30 TAC 117 Subchapter B	[G] §117.303(a)(11) [G]§117.310(f)
20	GRP-ENGINES6	OP-UA2	63ZZZZ-1	HAP	40 CFR 63 Subpart ZZZZ	§63.6590(b)(1) §63.6595(c) §63.6640(f)(1) §63.6640(f)(2) §63.6640(f)(2)(i) §63.6640(f)(3)
20	GRP-ENGINES6	OP-UA2	60IIII-1	NMHC+ NOX, CO, PM	40 CFR 60 Subpart IIII	§60.4205(c) – Table 4 §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §60.4218

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

Table 1b: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business Unit)	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
20	GRP-ENGINES6	117B-1	NOX	None	§117.340(j) §117.345(f) [G]§117.345(f)(6) [G]§117.345(f)(10)	None
20	GRP-ENGINES6	63ZZZZ-1	HAP	None	None	§63.6645(f)
20	GRP-ENGINES6	60III-1	NMHC, NOX, CO, PM	§60.4209(a)	§60.4214(b)	None

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

Table 1a: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business 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)
21	GRP-ENGINES7	OP-UA2	117B-1	NOX	30 TAC 117 Subchapter B	[G] §117.303(a)(11) [G]§117.310(f)
21	GRP-ENGINES7	OP-UA2	63ZZZZ-1	HAP	40 CFR 63 Subpart ZZZZ	§63.6590(c)
21	GRP-ENGINES7	OP-UA2	60III-1	NMHC+ NOX, PM	40 CFR 60 Subpart IIII	§60.4205(b) §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §60.4218 §1039, appendix I – Table 3

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

Table 1b: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business Unit)	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
21	GRP-ENGINES7	117B-1	NOX	None	§117.340(j) §117.345(f) [G]§117.345(f)(6) [G]§117.345(f)(10)	None
21	GRP-ENGINES7	63ZZZZ-1	HAP	None	None	None
21	GRP-ENGINES7	60III-1	NMHC, NOX, PM	§60.4209(a)	§60.4214(b)	None

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

Table 1a: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business 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)
22	GRP-ENGINES8	OP-UA2	117B-1	NOX	30 TAC 117 Subchapter B	§117.310(d)(3) §117.310(a), (a)(9)(E)(vi)(III), (b), [G](e)(1), (e)(2) [G]§117.310(e)(3), (e)(4) [G]§117.310(f) §117.340(l)(2), (p)(1), (p)(2)(C), (p)(3)
22	GRP-ENGINES8	OP-UA2	117B-1	CO	30 TAC 117 Subchapter B	§117.310(c)(1) §117.310(c)(1)(B)
22	GRP-ENGINES8	OP-UA2	117B-1	NH3	30 TAC 117 Subchapter B	§117.310(c)(2) §117.310(c)(2)(A) [G] §117.340(c)(2)(C)
22	GRP-ENGINES8	OP-UA2	63ZZZZ-1	HAP	40 CFR 63 Subpart ZZZZ	§63.6590(c)
22	GRP-ENGINES8	OP-UA2	60IIII-1	NMHC+ NOX, CO, PM	40 CFR 60 Subpart IIII	§60.4204(b) §60.4201(a) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) §60.4218 §1039.101

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

Table 1b: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business Unit)	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
22	GRP-ENGINES8	117B-1	NOX	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a)(2)(C), (h) §117.340(i)(2), (o)(1), (p)(1) §117.340(p)(2)(A)-(C) §117.8000(b)-(c), (c)(1), (c)(3) §117.8000(c)(5)-(6), [G](d) §117.8140(a), (a)(1), (a)(2), (a)(2)(A) [G]§117.8140(a)(2)(B), (b)	§117.345(a), (f), (f)(3) §117.345(f)(3)(A), (f)(3)(A)(ii), (f)(3)(B) §117.345(f)(9), [G](f)(10)	§117.335(b), (g) §117.340(p)(2)(D) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(D) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
22	GRP-ENGINES8	117B-1	CO	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a)(2)(C), (h) §117.8000(b)-(c), (c)(2) §117.8000(c)(3), (c)(5)-(6) [G]§117.8000(d) §117.8140(a), (a)(1), (a)(2), (a)(2)(A) [G]§117.8140(a)(2)(B), (b)	§117.345(a), (f), §117.345(f)(3), (f)(3)(A), (f)(3)(A)(ii) §117.345(f)(9), [G](f)(10)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
22	GRP-ENGINES8	117B-1	NH3	§117.335(a)(2), (a)(4), (b) §117.335(d), (g) §117.340(d)	§117.345(a), (f), (f)(9), [G](f)(10)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5), (6) [G]§117.8010(7)
22	GRP-ENGINES8	63ZZZZ-1	HAP	None	None	None

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
22	GRP-ENGINES8	60III-1	NMHC, NOX, CO, PM	§60.4209(b)	§60.4214(c)	None

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

Table 1a: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business 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)
23	P-ESP	OP-UA2	117B-1	NOX	30 TAC 117 Subchapter B	§117.310(d)(3) §117.310(a), (a)(9)(E)(iv)(III), (b), [G](e)(1), (e)(2) [G]§117.310(e)(3), (e)(4) [G]§117.310(f) §117.340(l)(2), (p)(1), (p)(2)(C), (p)(3)
23	P-ESP	OP-UA2	117B-1	CO	30 TAC 117 Subchapter B	§117.310(c)(1) §117.310(c)(1)(B)
23	P-ESP	OP-UA2	63ZZZZ-1	HAP	40 CFR 63 Subpart ZZZZ	§63.6590(c)
23	P-ESP	OP-UA2	60III-1	NMHC+ NOX, CO, PM	40 CFR 60 Subpart IIII	§60.4204(b) §60.4201(a) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) §60.4218 §1039.101

**Applicable Requirements Summary
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Federal Operating Permit Program**

Table 1b: Additions

Date: 06/26/2026	Regulated Entity No.: RN100238708	Permit No.: O2327
Company Name: INEOS USA LLC	Area Name: Chocolate Bayou Plant (Olefins Business Unit)	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
23	P-ESP	117B-1	NOX	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a)(2)(C), (h) §117.340(i)(2), (o)(1), (p)(1) §117.340(p)(2)(A)-(C) §117.8000(b)-(c), (c)(1), (c)(3) §117.8000(c)(5)-(6), [G](d) §117.8140(a), (a)(1), (a)(2), (a)(2)(A) [G]§117.8140(a)(2)(B), (b)	§117.345(a), (f), (f)(3) §117.345(f)(3)(A), (f)(3)(A)(ii), (f)(3)(B) §117.345(f)(9), [G](f)(10)	§117.335(b), (g) §117.340(p)(2)(D) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(D) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
23	P-ESP	117B-1	CO	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a)(2)(C), (h) §117.8000(b)-(c), (c)(2) §117.8000(c)(3), (c)(5)-(6) [G]§117.8000(d) §117.8140(a), (a)(1), (a)(2), (a)(2)(A) [G]§117.8140(a)(2)(B), (b)	§117.345(a), (f), §117.345(f)(3), (f)(3)(A), (f)(3)(A)(ii) §117.345(f)(9), [G](f)(10)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
23	P-ESP	63ZZZZ-1	HAP	None	None	None
23	P-ESP	60IIII-1	NMHC, NOX, CO, PM	None	None	None