

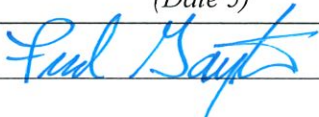
**Form OP-CRO1**  
**Certification by Responsible Official**  
**Federal Operating Permit Program**  
**Texas Commission on Environmental Quality**

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.

<b>I. Identifying Information</b>
RN: RN105195655
CN: CN603164716
Account No.: MHA002B
Permit No.: O2943
Project No.: 36490
Area Name: OQ Chemicals Bay City Plant
Company Name: OQ Chemicals Corporation
<b>II. Certification Type</b> <i>(Please mark appropriate box)</i>
<input checked="" type="checkbox"/> Responsible Official Representative <input type="checkbox"/> Duly Authorized Representative
<b>III. Submittal Type</b> <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
<input type="checkbox"/> SOP/TOP Initial Permit Application <input type="checkbox"/> Permit Revision, Renewal, or Reopening
<input type="checkbox"/> GOP Initial Permit Application <input checked="" type="checkbox"/> Update to Permit Application
<input type="checkbox"/> 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.

<b>IV. Certification of Truth</b>			
<b>This certification does not extend to information which is designated by TCEQ as information for reference only.</b>			
I, <u>Fred Gaytan</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 <u>06/18/2024</u> to <u>08/02/2024</u>			
<i>(Start Date)</i>		<i>(End Date)</i>	
Specific Dates: _____			
<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>9-4-24</u>	
Title: <u>Vice President of Operations North America</u>			

**From:** Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>  
**Sent:** Friday, August 2, 2024 2:07 PM  
**To:** Jasmine Yuan  
**Cc:** Brian Meek  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Jasmine,

We approve of the draft and the requirement drivers as is.

Thanks!

Kelley Oswalt  
Senior Consultant  
Trinity Consultants  
512-693-4191 (office)

---

**From:** Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>  
**Sent:** Thursday, August 1, 2024 4:05 PM  
**To:** Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>  
**Cc:** Brian Meek <brian.meek@oq.com>  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Kelley,  
Please see it in attachment.  
Also confirm the two requirement drivers highlighted yellow in the SOP Requirement Summary Table.  
Thank you!  
Please respond by 08/16 or sooner.  
Thanks  
Jasmine

---

**From:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>  
**Sent:** Thursday, August 1, 2024 11:05 AM  
**To:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Cc:** Brian Meek <[brian.meek@oq.com](mailto:brian.meek@oq.com)>  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Jasmine,

We have reviewed the draft permit and have the following comments:

1. In the Periodic Monitoring Summary tables for 100V5332 (Index 115B-1) and 100V865 (Index 115B-1), please correct the typo in the Deviation Limit to say “internal floating roof” instead of “external floating roof.”
2. In the New Source Review Authorization References by Emissions Unit table please make the following changes:

- a. Update the description for Unit ID 100V865 from “N-BUOH STORAGE TANK” to “MEOH STORAGE TANK”
- b. Update the NSR Authorization for Unit ID 111LOAD from “106/04/15/1995” to “6105.” Please note that this change should also remove 106 from the New Source Review Authorization References table above.
- c. Update the NSR Authorization for Unit ID 303M1239 to add PBR registration number 144023 to both 106.261 and 106.262.

Once these changes have been incorporated, please send us another draft permit for review.

Let me know if you have any other questions.

Thanks!

Kelley Oswalt  
Senior Consultant  
Trinity Consultants  
512-693-4191 (office)

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**From:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Sent:** Wednesday, July 24, 2024 11:32 AM  
**To:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>  
**Cc:** Brian Meek <[brian.meek@oq.com](mailto:brian.meek@oq.com)>  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

see attached.

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**From:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>  
**Sent:** Wednesday, July 24, 2024 11:10 AM  
**To:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Cc:** Brian Meek <[brian.meek@oq.com](mailto:brian.meek@oq.com)>  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Jasmine.

We received the draft and will review. Would you be able to provide a word version of the previously issued permit to help us in this review?

Thanks,  
Kelley

Kelley Oswalt  
Senior Consultant  
Trinity Consultants  
512-693-4191 (office)

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**From:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Sent:** Sunday, July 21, 2024 4:48 PM

**To:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>

**Cc:** Brian Meek <[brian.meek@oq.com](mailto:brian.meek@oq.com)>

**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Kelley,

I have conducted a technical review of *minor revision application for OQ Chemical Corporation, OQ Chemicals Corporation Bay City Plant*. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have on the working draft permit by Due 08/02/2024.

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

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

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,  
Jasmine Yuan

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**From:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>  
**Sent:** Wednesday, June 19, 2024 10:52 AM  
**To:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Cc:** Brian Meek <[brian.meek@oq.com](mailto:brian.meek@oq.com)>  
**Subject:** RE: Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hi Jasmine,

We did not supply an OP-UA17, because none of the codes on the form would achieve the applicable requirements for the distillation column 530T5307 due to use of overlap provisions. A manual build is requested on OP-REQ3 instead. Please refer to item 2 in Section 1.2 of the application for an explanation.

Let us know if you have any other questions and we look forward to working with you.

Thanks!

Kelley Oswalt  
Senior Consultant  
Trinity Consultants  
512-693-4191 (office)

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**From:** Jasmine Yuan <[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)>  
**Sent:** Tuesday, June 18, 2024 9:24 PM  
**To:** Kelley Oswalt <[Kelley.Oswalt@trinityconsultants.com](mailto:Kelley.Oswalt@trinityconsultants.com)>  
**Subject:** Technical Review - O2943 OQ Chemicals Corporation (Minor, 36490)

Hello Kelley

I have been assigned to the Federal Operating Permit (FOP) revision application of Permit No. O2943 for **OQ Chemicals Corporation, OQ Chemicals Corporation Bay City Plant**. This application has been assigned Project No. 36490. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

**Upon review, I did not see UA-17. Please send it to me if it is inadvertently left behind.**

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:

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

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

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

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

Please notify me when these updates have been submitted.

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

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

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

Thank you for your cooperation.

Sincerely,

Jasmine Yuan  
TCEQ Air Permits Division  
P.O. Box 13087, MC 163  
Austin, TX 78753  
Phone: (512)239-6090  
Fax: (512)239-1400  
[Jasmine.Yuan@tceq.texas.gov](mailto:Jasmine.Yuan@tceq.texas.gov)

How are we doing? Fill out our online customer satisfaction survey at [www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

**From:** Johnny Bowers  
**Sent:** Tuesday, March 26, 2024 8:17 AM  
**To:** Miguel Gallegos  
**Subject:** FW: STEERS Title V Application Submittal (New Application)

Please process. Thanks!

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

From: steers@tceq.texas.gov <steers@tceq.texas.gov>  
Sent: Monday, March 25, 2024 8:15 AM  
To: RFCAIR12 <RFCAIR12@tceq.texas.gov>; TVAPPS <tvapps@tceq.texas.gov>  
Subject: STEERS Title V Application Submittal (New Application)

The TV-E application has been successfully submitted by FRED GAYTAN. The submittal was received at 03/25/2024 08:15 AM.

The Reference number for this submittal is 642672

The confirmation number for this submittal is 530731.

The Area ID for this submittal is 2943.

The Project ID for this submittal is 36490.

The hash code for this submittal is 4EF38648702B1BB20ADE396452530D5D813EC92F0CC2ABB0BE27153A9CAE8A1E.

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](mailto:steers@tceq.texas.gov).



## Texas Commission on Environmental Quality

Title V Existing

2943

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	OQ CHEMICALS CORPORATION BAY CITY PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	2001 FM 3057
City	BAY CITY
State	TX
ZIP	77414
County	MATAGORDA
Latitude (N) (##.#####)	28.862777
Longitude (W) (-###.#####)	96.02
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)?	RN105195655
What is the name of the Regulated Entity (RE)?	OQ CHEMICALS BAY CITY PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	2001 FM 3057
City	BAY CITY
State	TX
ZIP	77414
County	MATAGORDA
Latitude (N) (##.#####)	28.861666
Longitude (W) (-###.#####)	-96.019444
Facility NAICS Code	
What is the primary business of this entity?	ORGANIC CHEMICALS MNFG

### Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN603164716
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	OQ Chemicals Corporation
Texas SOS Filing Number	800765197
Federal Tax ID	30611308
State Franchise Tax ID	13006113081
State Sales Tax ID	

Local Tax ID	
DUNS Number	792283405
Number of Employees	101-250
Independently Owned and Operated?	Yes

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	OQ CHEMICALS BISHOP LLC
Prefix	MR
First	FRED
Middle	
Last	GAYTAN
Suffix	
Credentials	
Title	VICE PRESIDENT OF OPERATIONS NORTH AMERICA
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 FM 3057
Routing (such as Mail Code, Dept., or Attn:)	
City	BAY CITY
State	TX
ZIP	77414
Phone (###-###-####)	9792414040
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9792414239
E-mail	fred.gaytan@oq.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	OQ Chemicals Corporation
Prefix	MR
First	Brian
Middle	
Last	Meek
Suffix	
Credentials	
Title	Environmental Lead
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 FM 3057

applicable)	
Routing (such as Mail Code, Dept., or Attn:)	
City	BAY CITY
State	TX
ZIP	77414
Phone (###-###-####)	9792414053
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Brian.Meek@oq.com

## Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	28 Deg 51 Min 46 Sec
3) Permit Longitude Coordinate:	96 Deg 1 Min 12 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	<a href=/ePermitsExternal/faces/file?fileId=188326>OQ Bay City SOP O2943 Revision Application FINAL 2024_0322.pdf</a>
Hash	5B0C43EADA32CE1E2DD8E357B1F79B6DF7B0FE5BE8F3322210941B1DD12BE8E9
MIME-Type	application/pdf

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

Expedite Title V

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

No

Certification

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

1. I am Fred Gaytan, the owner of the STEERS account ER081734.
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 enforcemer 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 2943.
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: Fred Gaytan OWNER OPERATOR

Account Number:ER081734

Signature IP Address:74.51.193.243

Signature Date:2024-03-25

Signature Hash:8FF7642358630F810C2D825863E44001D0136F3290C0F25D6E409427F5716C69

Form Hash Code at time of Signature:4EF38648702B1BB20ADE396452530D5D813EC92F0CC2ABB0BE27153A9CAE8A1E

Submission

Reference Number:

The application reference number is 642672

Submitted by:	The application was submitted by ER081734/Fred Gaytan
Submitted Timestamp:	The application was submitted on 2024-03-25 at 08:15:16 CDT
Submitted From:	The application was submitted from IP address 74.51.193.243
Confirmation Number:	The confirmation number is 530731
Steers Version:	The STEERS version is 6.73
Permit Number:	The permit number is 2943

Additional Information

Application Creator: This account was created by Kelley Oswalt

# **STREAMLINED MINOR REVISION APPLICATION**

**Site Operating Permit 02943**



**OQ Chemicals Corporation  
OQ Chemicals Bay City Plant  
CN603164716  
RN105195655**

**Prepared By:**

Kelley Oswalt – Senior Consultant

**TRINITY CONSULTANTS**

9737 Great Hills Trail  
Suite 340  
Austin, TX 78759  
512-693-4191

March 2024



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## 1. PROJECT INFORMATION

OQ Chemicals Corporation (OQ Chemicals) owns and operates the Bay City Plant near Bay City, in Matagorda County, Texas. Facilities at the site are operated under Site Operating Permit (SOP) O2943. The purpose of this application is to revise the SOP.

### 1.1 Revisions to the SOP

The following revisions are being requested in this application:

- ▶ Incorporate the 2/24/2023 issuance of NSR permit 2175.
- ▶ Incorporate the 2/4/2022 issuance of NSR permit 5546. This includes the following changes:
  - Add storage vessels (530V5325, 530V5326, 530V5327, 530V5311) grouped as GRP-TANKS12.
  - Update applicable requirements for storage vessel 100V865.
- ▶ Add a new distillation column (530T5037), the associate piping (FUGITIVES), and storage vessels (100V5332 and 100V5333) that make up the Propionaldehyde 3 (PrH-3) Unit (PRO-PRH3-530) authorized by PBR registration 169641.
- ▶ Add a new engine (M-1693) to the permit.
- ▶ Remove tanks 337V842 and 338V843 from the permit since they have been demolished.
- ▶ Update the NSR authorization for several sources.
- ▶ Add back the reference to permit PSDTX1400 and the Major NSR Summary table that was inadvertently left out during the previous renewal project. The PSD permit and the Major NSR Summary table were included in the 1/23/2017 issuance of the Title V permit O2943 but were inadvertently removed in the latest 9/7/2022 issuance of the Title V permit even though reference to the PSD permit was included in the renewal application.

### 1.2 Manual Build Requests

OQ Chemicals requests the following manual builds of applicable citations to document the overlap provisions used for the new PrH-3 Unit.

1. The storage vessels in GRP-TANKS12 have a closed vent system that routes emissions to either the fuel gas system or the flare (303M1239). The operating scenario where the emissions are routed to the fuel gas system is represented by Index No. 63G-FGS on OP-UA3, Table 9 for 40 CFR Part 63, Subpart G. The operating scenario where the emissions are routed to the flare is represented by Index No. 63G-FLR on OP-REQ3. The OP-REQ3 includes the requested manually built citations to be included in the Title V permit. OQ Chemicals is utilizing the compliance option in §63.112(e)(3)(ii) when emissions of different kinds are combined and at least one of the emission streams would be classified as Group 1 in the absence of combination without emission streams. The emissions from Group 1 storage vessels are combined with other Group 1 process vent streams routed to the flare. Since the Group 1 process vent requirements are listed first in §63.112(e)(3)(ii), the 40 CFR Part 63, Subpart G requirements for Group 1 process vents constitutes compliance with all other requirements (including the Group 1 storage vessel requirements). The FLRVENT Unit ID already in the Title V permit represents the Group 1 process vent streams routed to the flare. Therefore, OQ Chemicals requests to include citations §63.112(e)(3)(ii) and (e)(3)(ii)(A) as the applicable citations for Index No. 63G-FLR for GRP-TANKS12.



2. The vent stream from the distillation column (530T5307) is subject to both 40 CFR Part 60 Subpart NNN and 40 CFR Part 63 Subpart G (process vent requirements). The emissions from the distillation column route to either the fuel gas system or the flare (303M1239).
  - a. OQ Chemicals is utilizing the compliance overlap provision in §63.110(d)(4) for the operating scenario where the emissions are routed to the flare such that a Group 1 process vent subject to both 40 CFR Part 63 Subpart G and 40 CFR Part 60 Subpart NNN shall comply only with 40 CFR Part 63 Subpart G. The FLRVENT Unit ID already in the Title V permit represents the Group 1 process vent streams routed to the flare. Therefore, OQ Chemicals requests to include citation §63.110(d)(4) as the applicable citation under 40 CFR Part 60 Subpart NNN for the distillation column (530T5307) using Index No. 60NNN-FLR, which represents the operating scenario where the emissions are routed to the flare. The OP-REQ3 includes the requested manually built citations to be included in the Title V permit.
  - b. Per §63.110(d)(10), if a chemical manufacturing process unit with equipment subject to the provisions of this subpart and equipment subject to the provisions of 40 CFR Part 60 Subpart NNN, the owner or operator may elect to apply subpart G to all such equipment in the chemical manufacturing process unit. OQ Chemicals is utilizing the compliance overlap provision in §63.110(d)(10) for the operating scenario where the emissions are routed to the fuel gas system. The distillation column is part of the same chemical manufacturing process unit as the storage vessels. Since the storage vessels are subject to subpart G, OQ Chemicals may elect to apply subpart G to the distillation column vent stream. OQ Chemicals is electing to designate the distillation column vent stream as a Group 1 process vent subject to 40 CFR Part 63 Subpart G such that this constitutes compliance with 40 CFR Part 60 Subpart NNN. The BLRVENT Unit ID already in the Title V permit represents the Group 1 process vent stream routed to the fuel gas system where it is combined with other vent streams and additional fuel to be combusted as the primary fuel for onsite boilers. Therefore, OQ Chemicals requests to include citation §63.110(d)(10) as the applicable citation under 40 CFR Part 60 Subpart NNN for the distillation column (530T5307) using Index No. 60NNN-FGS, which represents the operating scenario where the emissions are routed to the fuel gas system. The OP-REQ3 includes the requested manually built citations to be included in the Title V permit.

## **2. ADMINISTRATIVE FORMS**

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This section contains the following forms and information:

- ▶ OP-2 – Application for Permit Revision/Renewal
- ▶ OP-SUMR – Individual Unit Summary for Revisions
- ▶ OP-PBRSUP – Permit By Rule Supplemental Table

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

Date:	3/22/2024														
Permit No.:	02943														
Regulated Entity No.:	RN105195655														
Company Name:	OQ Chemicals Corporation														
For Submissions to EPA															
Has an electronic copy of this application been submitted (or is being submitted) to EPA?										X	YES		NO		
<b>I. Application Type</b>															
Indicate the type of application:															
	Renewal														
X	Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)														
	Significant Revision														
	Revision Requesting Prior Approval														
	Administrative Revision														
	Response to Reopening														
<b>II. Qualification Statement</b>															
For SOP Revisions Only										X	YES		NO		
For GOP Revisions Only											YES		NO		
<b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)</b>															
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>															
X	VOC	X	NO <sub>x</sub>		SO <sub>2</sub>		PM <sub>10</sub>	X	CO		Pb	X	HAPs		
Other:															
<b>IV. Reference Only Requirements (For reference only)</b>															
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?										X	YES		NO		N/A
<b>V. Delinquent Fees and Penalties</b>															
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:	3/22/2024
Permit No.:	02943
Regulated Entity No.:	RN105195655
Company Name:	OQ Chemicals 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	NA	NA	NA	2175	Incorporate 2/24/2023 issuance of NSR permit 2175.
2	MS-A	NA	NA	NA	5546	Incorporate 2/4/2022 issuance of NSR permit 5546.
3	MS-C	YES	100V5332	OP-UA1, OP-UA3	106.478/09/04/2000 [169641]	Add new tank to permit. Document negative applicability to NSPS Kb on the OP-REQ2 form. A permit shield is not being requested in this streamlined revision application.
4	MS-C	YES	100V5333	OP-UA3	106.478/09/04/2000 [169641]	Add new tank to permit. Document negative applicability on the OP-REQ2 form. A permit shield is not being requested in this streamlined revision application.
5	MS-C	YES	530T5037	OP-UA17	106.261/11/01/2003 [169641]	Add new distillation column to permit with manually built citations under 40 CFR Part 60 Subpart NNN as shown on OP-REQ3 and described in Section 1.2 of the application.
6	MS-C	YES	PRO-PRH3-530	OP-UA60	106.261/11/01/2003 [169641]	Add new process unit to permit.
7	MS-C	NO	FUGITIVES	OP-UA1, OP-UA12	106.261/11/01/2003 [169641]	Update the NSR authorizations for Unit ID and add MACT EEEE applicable requirements to permit.
8	MS-C	YES	530V5325	OP-UA3	5546	Add tank to permit as part of GRP-TANKS12. Please note a manual build is requested for Index 63G-FLR as described in Section 1.2 of the application.
9	MS-C	YES	530V5326	OP-UA3	5546	Add tank to permit as part of GRP-TANKS12. Please note a manual build is requested for Index 63G-FLR as described in Section 1.2 of the application.
10	MS-C	YES	530V5327	OP-UA3	5546	Add tank to permit as part of GRP-TANKS12. Please note a manual build is requested for Index 63G-FLR as described in Section 1.2 of the application.
11	MS-C	YES	530V5311	OP-UA3	5546	Add tank to permit as part of GRP-TANKS12. Please note a manual build is requested for Index 63G-FLR as described in Section 1.2 of the application.
12	MS-A	NA	NA	NA	NA	Update the NSR authorization for several sources as shown on the OP-SUMR form.

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

Date:	3/22/2024
Permit No.:	02943
Regulated Entity No.:	RN105195655
Company Name:	OQ Chemicals 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		
13	MS-C	NO	100V865	OP-UA1, OP-UA3	5546	Remove tank from group GRP-TANKS5 and update applicable requirements. Update the description of this tank as shown on OP-SUMR. Document negative applicability to NSPS Kb on the OP-REQ2 form. A permit shield is not being requested in this streamlined revision application.
14	MS-C	YES	M-1693	OP-UA2	106.511/09/04/2000	Add engine to permit.
15	MS-C	NO	337V842	NA	NA	Remove tank from TV permit. It has been demolished.
16	MS-C	NO	337V843	NA	NA	Remove tank from TV permit. It has been demolished.
17	ADMIN-A	NA	NA	NA	118403/PSDTX1400	Add back the reference to permit PSDTX1400 and the Major NSR Summary table that was inadvertently removed during the previous project.

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.
3/22/2024	02943	RN105195655

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
	12	100V1180		DIESEL STORAGE TANK		58/01/08/1980 <u>106.472/03/14/1997</u>	
	12	100V1181		DIESEL STORAGE TANK		58/01/08/1980 <u>106.472/03/14/1997</u>	
A	3	100V5332	OP-UA3	MEOH IFR TANK		106.478/09/04/2000 [169641]	
A	4	100V5333	OP-UA3	BUOH IFR TANK		106.478/09/04/2000 [169641]	
	13	100V865	OP-UA3	MEOH STORAGE TANK		5546	
	12	111LOAD		TRUCK LOADING		<del>106/04/05/1995</del> <u>6105</u>	
	12	302M3069		BOILER #8		2175, 106.261/11/01/2003 [ <u>97091</u> , 144023], 106.262/11/01/2003 [ <u>97091</u> , 144023]	
	12	302M331		BOILER #5		2175, 106.261/11/01/2003 [82500, 83278, 84776, 84782, 85516, 91133, 91134, <u>97091</u> , 144023], 106.262/11/01/2003 [82500, 83278, 84776, 84782, 85516, 91133, 91134, <u>97091</u> , 144023]	
	12	302V763		GASOLINE STORAGE TANK		<del>53/07/20/1992</del> <u>53/08/30/1988</u>	

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.
3/22/2024	02943	RN105195655

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
	12	303M1239		ETHYLENE FLARE		2175, 106.261/11/01/2003 [82500, 83278, 84776, 84782, 85516, 91133, 91134, 144023], 106.262/11/01/2003 [82500, 83278, 84776, 84782, 85516, 91133, 91134, 144023]	
D	15	337V842		FIRE TRAINING DIESEL STORAGE TANK		58/09/23/1982	
D	16	337V843		FIRE TRAINING DIESEL STORAGE TANK		58/09/23/1982	
A	5	530T5037	OP-UA17	PRH PURIFICATION COLUMN		106.261/11/01/2003 [169641]	
A	8	530V5325	OP-UA3	PURE PRH RUNDOWN TANK		5546	
A	9	530V5326	OP-UA3	PURE PRH RUNDOWN TANK		5546	
A	10	530V5327	OP-UA3	PURE PRH RUNDOWN TANK		5546	
A	11	530V5311	OP-UA3	PURE PRH STORAGE TANK		5546	
	7	FUGITIVES	OP-UA12	SITE EQUIPMENT LEAK FUGITIVES		2175, 5546, 6105, 25299, 118403, 106.261/11/01/2003 [84776, 84782, 85516, 92863, 97091, 166708, 169641], 106.262/11/01/2003 [84776, 84782, 85516, 92863, 97091, 166708]	
A	14	M-1693	OP-UA2	FIREWATER PUMP P-1739		106.511/09/04/2000	
A	6	PRO-PRH3-530	OP-UA60	PRH-III PROCESS UNIT		106.261/11/01/2003 [169641]	

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

Table 2

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
8	530V5325	OP-UA3	A	GRP-TANKS12
9	530V5326	OP-UA3	A	GRP-TANKS12
10	530V5327	OP-UA3	A	GRP-TANKS12
11	530V5311	OP-UA3	A	GRP-TANKS12
13	100V865	OP-UA3	D	GRP-TANKS5



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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	Registration No.	PBR No.	Registration Date
Paintyard area	56567	106.433	11/7/2003
Paintyard area	56567	106.452	11/7/2003
Boiler, EPN: 302M331	82500	106.261, 106.262	8/23/2007
Boiler, EPN: 302M460	82500	106.261, 106.262	8/23/2007
Ethylene Flare, EPN: 303M1239	82500	106.261, 106.262	8/23/2007
Boiler, EPN: 302M331	83278	106.261, 106.262	11/30/2007
Boiler, EPN: 302M460	83278	106.261, 106.262	11/30/2007
Ethylene Flare, EPN: 303M1239	83278	106.261, 106.262	11/30/2007
Boiler, EPN: 302M331	84776	106.261, 106.262	6/23/2008
Boiler, EPN: 302M460	84776	106.261, 106.262	6/23/2008
Ethylene Flare, EPN: 303M1239	84776	106.261, 106.262	6/23/2008
Propanol Unit Fugitives, EPN: 108F (Unit ID: FUGITIVES)	84776	106.261, 106.262	6/23/2008
Boiler, EPN: 302M331	84782	106.261, 106.262	6/26/2008
Boiler, EPN: 302M460	84782	106.261, 106.262	6/26/2008
Ethylene Flare, EPN: 303M1239	84782	106.261, 106.262	6/26/2008
Propanol Unit Fugitives, EPN: 108F (Unit ID: FUGITIVES)	84782	106.261, 106.262	6/26/2008
Boiler, EPN: 302M331	85516	106.261, 106.262	8/21/2008
Boiler, EPN: 302M460	85516	106.261, 106.262	8/21/2008
Ethylene Flare, EPN: 303M1239	85516	106.261, 106.262	8/21/2008
Butanol Unit Fugitives, EPN: 100F (Unit ID: FUGITIVES)	85516	106.261, 106.262	8/21/2008
Boiler, EPN: 302M331	91133	106.261, 106.262	11/19/2009
Boiler, EPN: 302M460	91133	106.261, 106.262	11/19/2009
Ethylene Flare, EPN: 303M1239	91133	106.261, 106.262	11/19/2009
Spent Catalyst, EPN: 108C	91133	106.261, 106.262	11/19/2009
Boiler, EPN: 302M331	91134	106.261, 106.262	11/10/2009
Boiler, EPN: 302M460	91134	106.261, 106.262	11/10/2009
Ethylene Flare, EPN: 303M1239	91134	106.261, 106.262	11/10/2009
Water Scrubber, EPN: 251 SCRUB	92863	106.261, 106.262	8/3/2010
Butanol Unit Fugitives, EPN: 100F (Unit ID: FUGITIVES)	92863	106.261, 106.262	8/3/2010
Tank 100V508	92863	106.261, 106.262, 106.478	8/3/2010
Boiler 5, EPN: 302M331	97091	106.261, 106.262	8/25/2011
Boiler 8, EPN: 302M3069	97091	106.261, 106.262	8/25/2011
Loading Losses, EPN: LOAD	97091	106.261, 106.262	8/25/2011

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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	Registration No.	PBR No.	Registration Date
Loading Equipment Fugitives, EPN: 302F (Unit ID: FUGITIVES)	97091	106.261, 106.262	8/25/2011
Boiler 5, EPN: 302M331	144023	106.261, 106.262	1/9/2017
Boiler 6, EPN: 302M460	144023	106.261, 106.262	1/9/2017
Boiler 8, EPN: 302M3069	144023	106.261, 106.262	1/9/2017
Boiler 9, EPN: 302M3077	144023	106.261, 106.262	1/9/2017
Ethylene Flare, EPN: 303M1239	144023	106.261, 106.262	1/9/2017
V-3026 HW tank fugitives, EPN: 302F	166708	106.261, 106.262	11/12/2021
Tank EPN: V-5332 (Unit ID 520V5332)	169641	106.478	8/23/2022
Tank EPN: V-5333 (Unit ID 520V5333)	169641	106.478	8/23/2022
Distillation Unit T-5037 Fugitives, EPN: 520F (Unit ID: FUGITIVES)	169641	106.261	8/23/2022

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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date
303V3013, 111V1023, Loading, MDEA temp storage	106.472	9/4/2000
ISO containers	106.476	9/4/2000
251AV39	106.478	9/4/2000
251AV91, 251AV92	106.476, 106.492	9/4/2000
M-1842, M-1843, M-1623, M- 1972, M-1645, M-1911, M-1691, M-1692, M-3186, M-1693, M-3246	106.511	9/4/2000
302V187	8	11/5/1986
999DTLGAS	14	11/5/1986
999V762	51	7/20/1992
302V763	53	8/30/1988
391V1314	106.472	3/14/1997
290V631	106.472	3/14/1997
290V632	106.472	3/14/1997
100V1180	106.472	3/14/1997
100V1181	106.472	3/14/1997
Lubricating oil storage drums	58	9/23/1982

Texas Commission on Environmental Quality  
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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

PBR No.	Version No./Date
106.102	9/4/2000
106.122	9/4/2000
106.531	9/4/2000

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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
Paintyard area	106.433	56567	Paint usage records are updated weekly. The usage amount is multiplied by the lb/gallon VOC content for each type of paint and then summed to calculate emissions to demonstrate compliance with 106.433(4), 106.433(8)(C), and 106.4.
Paintyard area	106.452	56567	Keep records on-site of operating hours and abrasive usage rate per day, month and year to demonstrate compliance with 106.452(2)(A) and (2)(C) for outside blast cleaning.
Boiler, EPN: 302M331	106.261, 106.262	82500	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	82500	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	82500	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M331	106.261, 106.262	83278	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	83278	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	83278	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M331	106.261, 106.262	84776	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	84776	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.

**Texas Commission on Environmental Quality**

**Permit By Rule Supplemental Table (Page 4)**

**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
Ethylene Flare, EPN: 303M1239	106.261, 106.262	84776	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Propanol Unit Fugitives, EPN: 108F (Unit ID: FUGITIVES)	106.261, 106.262	84776	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 5546. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
Boiler, EPN: 302M331	106.261, 106.262	84782	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	84782	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	84782	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Propanol Unit Fugitives, EPN: 108F (Unit ID: FUGITIVES)	106.261, 106.262	84782	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 5546. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
Boiler, EPN: 302M331	106.261, 106.262	85516	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	85516	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	85516	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.

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

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
Butanol Unit Fugitives, EPN: 100F (Unit ID: FUGITIVES)	106.261, 106.262	85516	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 5546. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
Boiler, EPN: 302M331	106.261, 106.262	91133	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	91133	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	91133	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Spent Catalyst, EPN: 108C	106.261, 106.262	91133	Keep records of number of spent catalyst dumps/year. Use this data to estimate throughput and calculate emissions based on AP-42, Fifth Edition, Volume I Chapter 5.2 equations and emission factors to calculate emissions to demonstrate compliance with the limits in PBR registration.
Boiler, EPN: 302M331	106.261, 106.262	91134	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler, EPN: 302M460	106.261, 106.262	91134	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	91134	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Water Scrubber, EPN: 251 SCRUB	106.261, 106.262	92863	The wet scrubber is a control device for tank 100V508 and is monitored according to the periodic monitoring summary tables in the Title V permit document for Unit ID No. 100V508.
Butanol Unit Fugitives, EPN: 100F (Unit ID: FUGITIVES)	106.261, 106.262	92863	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 5546. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.

Texas Commission on Environmental Quality  
Permit By Rule Supplemental Table (Page 4)

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
Tank 100V508	106.261, 106.262, 106.478	92863	Keep annual records on-site of the throughput, tank capacity, liquids stored, true vapor pressure of liquids stored, and roof type. Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in the PBR registration
Boiler 5, EPN: 302M331	106.261, 106.262	97091	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler 8, EPN:302M3069	106.261, 106.262	97091	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Loading Losses, EPN: LOAD	106.261, 106.262	97091	Keep annual records of the amount of material loaded. Use this data and AP-42, Fifth Edition, Volume I Chapter 5.2 equations and emission factors to calculate emissions to demonstrate compliance with the limits in PBR registration.
Loading Equipment Fugitives, EPN: 302F (Unit ID: FUGITIVES)	106.261, 106.262	97091	Emissions from fugitive component leaks are minimized through the 28AVO Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 2175. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
Boiler 5, EPN: 302M331	106.261, 106.262	144023	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler 6, EPN: 302M460	106.261, 106.262	144023	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler 8, EPN: 302M3069	106.261, 106.262	144023	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Boiler 9, EPN: 302M3077	106.261, 106.262	144023	The boiler is monitored according to the applicable special conditions in NSR permit 2175. The boiler requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
Ethylene Flare, EPN: 303M1239	106.261, 106.262	144023	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.



**Texas Commission on Environmental Quality**

**Permit By Rule Supplemental Table (Page 4)**

**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
V-3026 HW tank fugitives, EPN: 302F	106.261, 106.262	166708	Emissions from fugitive component leaks are minimized through the 28AVO Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 2175. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
Tank EPN: V-5332 (Unit ID 520V5332)	106.478	169641	Keep annual records on-site of the throughput, tank capacity, liquids stored, true vapor pressure of liquids stored, and roof type. Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in the PBR registration
Tank EPN: V-5333 (Unit ID 520V5333)	106.478	169641	Keep annual records on-site of the throughput, tank capacity, liquids stored, true vapor pressure of liquids stored, and roof type. Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in the PBR registration
Distillation Unit T-5037 Fugitives, EPN: 520F (Unit ID: FUGITIVES)	106.261	169641	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the applicable Special Condition of NSR Permit No. 118403. The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
303V3013, 111V1023, Loading, MDEA temp storage	106.472	9/4/2000	Records are kept to demonstrate MDEA material has a boiling point > 300 degrees F.
ISO containers	106.476	9/4/2000	Records are kept of pressure tank design showing that the tank pressure is sufficient at all times to prevent vapor or gas loss to the atmosphere or that the tank/container is equipped with a relief valve which directs all vapors to a flare system in compliance with 106.492.
251AV39	106.478	9/4/2000	Keep annual records of the throughput, tank capacity, liquids stored, true vapor pressure of liquids stored, and roof type. Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in the PBR registration
251AV91, 251AV92	106.476, 106.492	9/4/2000	The flare is designed and operated to meet the 40 CFR §60.18 specifications and according to applicable conditions in NSR permits 25299, 6105, 5546, 2175, and FOP 02943. The flare requirements specify the parameters monitored, the frequency of monitoring, averaging times and records maintained.
M-1842, M-1843, M-1623, M- 1972, M-1645, M-1911, M- 1691, M-1692, M-3186, M-1693, M-3246	106.511	9/4/2000	Keep records of the number of operating hours for the engine each month and demonstrate that the engine has not exceeded 876 hours of operation on an annual basis. Use the emission factors from manufacturer provided certification and/or appropriate section in AP-42, Fifth Edition, Volume I Chapter 3 along with the monthly operating hours recorded to calculate the rolling 12-month emissions to demonstrate compliance with the limits in 106.4.
302V187	8	11/5/1986	EDTA Mix (amine mix) tank that stores material with greater than 99% water.
999DTLGAS	14	11/5/1986	Motor fuel dispensing equipment: Keep records of gallons/year of fuel purchased.

Texas Commission on Environmental Quality  
Permit By Rule Supplemental Table (Page 4)

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
3/22/2024	02943	RN105195655	OQ Chemicals Corporation Bay City Plant

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
999V762	51	7/20/1992	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
302V763	53	8/30/1988	Tank is monitored according to the periodic monitoring summary tables in the Title V permit document for Unit ID No. 302V763.
391V1314	106.472	3/14/1997	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
290V631	106.472	3/14/1997	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
290V632	106.472	3/14/1997	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
100V1180	106.472	3/14/1997	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
100V1181	106.472	3/14/1997	Keep records of gallons/year of diesel fuel purchased. Compare the actual fuel purchased to the maximum gallons/year used to calculate PTE emissions of diesel tank using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.
Lubricating oil storage drums	58	9/23/1982	Keep records of gallons/year of lubricating oil purchased. Compare the actual lubricating oil purchased to the maximum gallons/year used to calculate PTE emissions of tank storing lubricating oils using AP-42, Fifth Edition, Volume I Chapter 7 equations to demonstrate compliance with the limits in 106.4.

### 3. UNIT ATTRIBUTE FORMS

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This section contains the following Unit Attribute Forms:

- ▶ OP-UA1 – Miscellaneous Unit Attributes
- ▶ OP-UA2 – Stationary Reciprocating Internal Combustion Engine Attributes
- ▶ OP-UA3 – Storage Tank Vessel Attributes
- ▶ OP-UA60 - Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes

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

Date:	3/22/2024
Permit No.:	02943
Regulated Entity No.:	RN105195655

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
100V5332	63EEEE-1					Tank stores organic liquid and is part of an OLD operation subject to 40 CFR Part 63, Subpart EEEE.
100V865	63EEEE-1					Tank stores organic liquid and is part of an OLD operation subject to 40 CFR Part 63, Subpart EEEE.
FUGITIVES	63EEEE-1					Equipment leak components that are part of an OLD operation subject to 40 CFR Part 63, Subpart EEEE.

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 4)

Federal Operating Permit Program

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

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
M-1693	63ZZZZ-M1693	MAJOR	300-500	06+		EMER-A	

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 10)

Federal Operating Permit Program

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 Engine

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
M-1693	60IIII-M1693	2005+	NONE	FIRE	CON	0706+

**Stationary Reciprocating Internal Combustion Engine Attributes**

**Form OP-UA2 (Page 11)**

**Federal Operating Permit Program**

**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 Engine**

**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
M-1693	60IIII-M1693	DIESEL		10-		2017+	

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 12)

Federal Operating Permit Program

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 Engine

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
M-1693	60IIII-M1693	F130-368			NO	MANU YES		



Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)  
Federal Operating Permit Program  
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)  
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels  
(Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
100V5333	60Kb-1	VOL	40K+	NONE	0.5-					

Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 4)  
Federal Operating Permit Program  
Table 4a: 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.
3/22/2024	02943	RN105195655

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
100V5332	115B-1	NO		VOC3	C25K+			
100V5333	115B-1	NO		VOC3	C25K+			
GRP-TANKS12	115B-FLR	NO		VOC3	C25K+			
GRP-TANKS12	115B-FGS	NO		VOC3	C25K+			
100V865	115B-1	NO		VOC3	C25K+			

Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 5)  
Federal Operating Permit Program  
Table 4b: 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.
3/22/2024	02943	RN105195655

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.
100V5332	115B-1		IFR2	1.5-11				
100V5333	115B-1		IFR2	1.5-C				
GRP-TANKS12	115B-FLR		VRS2	1.5-11			FLARE	303M1239
GRP-TANKS12	115B-FGS		VRS2	1.5-11			VDU	302M331, 302M460, 302M3069
100V865	115B-1		IFR2	1.5-11				

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.
3/22/2024	02943	RN105195655

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.
GRP-TANKS12	63G-FGS	YES	NO		11.11-	ROUTED	

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.
3/22/2024	02943	RN105195655

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
GRP-TANKS12	63G-FGS			YES					

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes  
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: 3/22/2024	Permit No.: 02943	Regulated Entity No.: RN105195655
Area Name: OQ Chemicals Corporation Bay City Plant		Customer Reference No.: CN603164716

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
PRO-PRH3-530	63F-1	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: 3/22/2024	Permit No.: 02943	Regulated Entity No.: RN105195655
Area Name: OQ Chemicals Corporation Bay City Plant		Customer Reference No.: CN603164716

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
PRO-PRH3-530	63F-1	NO	NO	NO	NO	NO	YES

## **4. APPLICABLE REQUIREMENTS SUMMARY FORMS**

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This section contains the following forms and information:

- ▶ Form OP-REQ1 – Section XII.E-J of NSR Authorizations of Application Area-Wide Applicability Determinations and General Information
- ▶ Form OP-REQ2 – Negative Applicable Requirements Determinations (This form is provided for documentation purposes only. A permit shield is not being requested in this streamlined revision application)
- ▶ Form OP-REQ3 – Applicable Requirements Summary
- ▶ Form OP-MON – Monitoring Requirements



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

Date:	3/22/2024
Permit No.:	O2943
RN No.:	RN105195655

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

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

<b>Form OP-REQ1: Page 87</b>			
<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>			
<b>E. PSD Permits and PSD Major Pollutants</b>			
PSD Permit No.: PSDTX1400	Issuance Date: 01/22/2016	Pollutant(s): NO <sub>x</sub> , VOC, CO	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
<i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>			
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
<i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
<b>◆ H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area</b>			
Authorization No.: 2175	Issuance Date: 02/24/2023	Authorization No.: 118403	Issuance Date: 01/22/2016
Authorization No.: 5546	Issuance Date: 02/04/2022	Authorization No.: 150197	Issuance Date: 02/13/2018
Authorization No.: 6105	Issuance Date: 09/19/2019	Authorization No.:	Issuance Date:
Authorization No.: 25299	Issuance Date: 02/05/2016	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:	3/22/2024
Permit No.:	O2943
RN No.:	RN105195655

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

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

**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**

*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.*

PBR No.: 8	Version No./Date: 11/05/1986
PBR No.: 14	Version No./Date: 11/05/1986
PBR No.: <del>54</del>	Version No./Date: <del>09/12/1989</del>
PBR No.: 51	Version No./Date: 07/20/1992
PBR No.: 53	Version No./Date: 08/30/1988
PBR No.: <del>53</del>	Version No./Date: <del>09/12/1989</del>
PBR No.: <del>53</del>	Version No./Date: <del>07/20/1992</del>
PBR No.: <del>58</del>	Version No./Date: <del>01/08/1980</del>
PBR No.: 58	Version No./Date: 09/23/1982
PBR No.: <del>64</del>	Version No./Date: <del>08/30/1988</del>
PBR No.: <del>106</del>	Version No./Date: <del>04/05/1995</del>
PBR No.: <del>106.261</del>	Version No./Date: <del>12/24/1998</del>
PBR No.: <del>106.261</del>	Version No./Date: <del>09/04/2000</del>
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: <del>106.262</del>	Version No./Date: <del>12/24/1998</del>
PBR No.: <del>106.262</del>	Version No./Date: <del>09/04/2000</del>
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: <del>106.264</del>	Version No./Date: <del>09/04/2000</del>
PBR No.: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000

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

Date:	3/22/2024
Permit No.:	O2943
RN No.:	RN105195655

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

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

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: 09/04/2000
PBR No.: 106.511	Version No./Date: 09/04/2000
<b>◆ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.: 50398	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

**Form OP-REQ2**  
**Negative Applicable/Superseded Requirement Determinations**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
3/22/2024	02943	RN105195655

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 Reason
	3	100V5332	OP-UA3	40 CFR Part 60 Subpart Kb	§63.2396(a)(3)	Storage tank assigned to the OLD affected source subject to control under 40 CFR Part 60, Subpart Kb electing to comply only with the requirements of 40 CFR Part 63, Subpart EEEE.
	4	100V5333	OP-UA3	30 TAC 115 Storage of VOCs	§115.111(c)(1)	Storage vessel stores a VOC with a TVP less than 1.5 psia.
	4	100V5333	OP-UA3	40 CFR Part 60 Subpart Kb	§60.110b(b)	Storage vessel has a capacity greater than or equal to 151 m3 storing a liquid with a TVP less than 3.5 kPa.
	4	100V5333	OP-UA3	40 CFR Part 63, Subpart EEEE	§63.2338(b)(1)	Storage tank doesn't store a liquid that contains 5% by weight or greater of organic HAP. Therefore, the tank doesn't store organic liquid as defined in §63.2406.
	13	100V865	OP-UA3	40 CFR Part 60 Subpart Kb	§60.110b(a)	Storage vessel was constructed prior to and was not modified/reconstructed after 07/23/1984.
	8, 9, 10, 11	GRP-TANKS12	OP-UA3	40 CFR Part 60 Subpart Kb	§63.110(b)(1)	Group 1 storage vessels that are subject to both 40 CFR Part 60 Subpart Kb and 40 CFR Part 63 Subpart G are required to comply only with 40 CFR Part 63 Subpart G.

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

**Table 1a: Additions**

<b>Date: 3/22/2024</b>	<b>Regulated Entity No.: RN105195655</b>	<b>Permit No.: 02943</b>
<b>Company Name: OQ Chemicals Corporation</b>	<b>Area Name: OQ Chemicals Corporation Bay City Plant</b>	

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)
3	100V5332	OP-UA1, OP-UA3	115B-1	VOC	30 TAC 115 Storage of VOCs	§115.112(c)(1) §115.112(c)(2), (c)(2)(A) §115.112(c)(2)(B) §115.114(c)(1)(A)
3	100V5332	OP-UA1, OP-UA3	63EEEE-1	112(B) HAPS	40 CFR Part 63 Subpart EEEE	§ 63.2346(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE
13	100V865	OP-UA1, OP-UA3	115B-1	VOC	30 TAC 115 Storage of VOCs	§115.112(c)(1) §115.112(c)(2), (c)(2)(A) §115.112(c)(2)(B) §115.114(c)(1)(A)
13	100V865	OP-UA1, OP-UA3	63EEEE-1	112(B) HAPS	40 CFR Part 63 Subpart EEEE	§ 63.2346(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE
5	530T5037	OP-UA17	60NNN-FGS	VOC/TOC	40 CFR Part 60 Subpart NNN	§63.110(d)(10)
5	530T5037	OP-UA17	60NNN-FLR	VOC/TOC	40 CFR Part 60 Subpart NNN	§63.110(d)(4)
7	FUGITIVES	OP-UA1, OP-UA12	63EEEE-1	112(B) HAPS	40 CFR Part 63 Subpart EEEE	§ 63.2346(c) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE
8, 9, 10, 11	GRP-TANKS12	OP-UA3	115B-FLR	VOC	30 TAC 115 Storage of VOCs	§115.112(c)(1)
8, 9, 10, 11	GRP-TANKS12	OP-UA3	115B-FGS	VOC	30 TAC 115 Storage of VOCs	§115.112(c)(1)
8, 9, 10, 11	GRP-TANKS12	OP-UA3	63G-FGS	112(B) HAPS	40 CFR Part 63 Subpart G	§63.119(f) §63.119(a)(1), [G](f)(3)
8, 9, 10, 11	GRP-TANKS12	OP-UA3	63G-FLR	112(B) HAPS	40 CFR Part 63 Subpart G	§63.112(e)(3)(ii) §63.112(e)(3)(ii)(A)

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

**Table 1b: Additions**

<b>Date: 3/22/2024</b>	<b>Regulated Entity No.: RN105195655</b>	<b>Permit No.: 02943</b>
<b>Company Name: OQ Chemicals Corporation</b>	<b>Area Name: OQ Chemicals Corporation Bay City Plant</b>	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
3	100V5332	115B-1	VOC	§115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§115.114(c)(1)(B)
3	100V5332	63EEEE-1	112(B) HAPS	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
13	100V865	115B-1	VOC	§115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§115.114(c)(1)(B)
13	100V865	63EEEE-1	112(B) HAPS	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
5	530T5037	60NNN-FGS	VOC/TOC	None	None	None
5	530T5037	60NNN-FLR	VOC/TOC	None	None	None
7	FUGITIVES	63EEEE-1	112(B) HAPS	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
8, 9, 10, 11	GRP-TANKS12	115B-FLR	VOC	** See Periodic Monitoring Summary	None	None
8, 9, 10, 11	GRP-TANKS12	115B-FGS	VOC	** See Periodic Monitoring Summary	None	None
8, 9, 10, 11	GRP-TANKS12	63G-FGS	112(B) HAPS	None	§63.123(a), [G](h) [G]§63.152(a)	§63.122(c)(3) §63.151(a)(7), [G](b), [G](j) [G]§63.152(a), (b), [G](b)(1) §63.152(b)(4), (c)(1), (c)(2) §63.152(c)(4)(ii)
8, 9, 10, 11	GRP-TANKS12	63G-FLR	112(B) HAPS	None	None	None

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

**Table 1a: Additions**

<b>Date:</b> 3/22/2024	<b>Regulated Entity No.:</b> RN105195655	<b>Permit No.:</b> 02943
<b>Company Name:</b> OQ Chemicals Corporation	<b>Area Name:</b> OQ Chemicals Corporation Bay City Plant	

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)
14	M-1693	OP-UA2	60IIII-M1693	NMHC+NOx, PM	40 CFR Part 60 Subpart IIII	§60.4205(c)-Table 4 §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f)
14	M-1693	OP-UA2	63ZZZZ-M1693	112(B) HAPS	40 CFR Part 63 Subpart ZZZZ	§63.6590(c)
6	PRO-PRH3-530	OP-UA60	63F-1	112(B) HAPS	40 CFR Part 63 Subpart F	§63.100(b) [G]§63.102(a), [G](c) §63.104(a), [G](d) §63.104(e), (e)(1), [G](e)(2) §63.105(d)

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

**Table 1b: Additions**

<b>Date:</b> 3/22/2024	<b>Regulated Entity No.:</b> RN105195655	<b>Permit No.:</b> 02943
<b>Company Name:</b> OQ Chemicals Corporation	<b>Area Name:</b> OQ Chemicals Corporation Bay City Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
14	M-1693	60III-M1693	NMHC+NO <sub>x</sub> , PM	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
14	M-1693	63ZZZ-M1693	112(B) HAPS	None	None	None
6	PRO-PRH3-530	63F-1	112(B) HAPS	§63.103(b)(1), (b)(3), (b)(4) [G]§63.103(b)(5), (b)(6) [G]§63.104(b)	[G]§63.103(c) [G]§63.104(e)(2), [G](f)(1) [G]§63.105(b), (c), (e)	§63.103(b)(2), [G](b)(5), [G](d) [G]§63.104(f)(2)



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

<b>I. Identifying Information</b>		
Account No.: MHA002B	RN No.: RN105195655	CN: CN603164716
Permit No.: O2943	Project No.: TBD	
Area Name: OQ Chemicals Corporation Bay City Plant		
Company Name: OQ Chemicals Corporation		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: 3, 13		
Unit/EPN/Group/Process ID No.: 100V5332, 100V865		
Applicable Form: OP-UA3		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 115 Storage of VOCs		
SOP/GOP Index No.: 115B-1		
Pollutant: VOC		
Main Standard: §115.112(c)(1)		
<b>IV. Title V Monitoring Information</b>		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-042		
Deviation Limit: Any monitoring data in which the roof is not floating on surface of the VOC, if liquid has accumulated on the external floating roof, seals are detached, or there are holes or tears in the seal fabric shall be considered and reported as a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
<b>V. Control Device Information</b>		
Control Device ID No.: N/A		
Control Device Type: N/A		

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

<b>I. Identifying Information</b>		
Account No.: MHA002B	RN No.: RN105195655	CN: CN603164716
Permit No.: O2943	Project No.: TBD	
Area Name: OQ Chemicals Corporation Bay City Plant		
Company Name: OQ Chemicals Corporation		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: 8, 9, 10, 11		
Unit/EPN/Group/Process ID No.: GRP-TANKS12		
Applicable Form: OP-UA3		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 115 Storage of VOCs		
SOP/GOP Index No.: 115B-FGS		
Pollutant: VOC		
Main Standard: §115.112(c)(1)		
<b>IV. Title V Monitoring Information</b>		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-011		
Deviation Limit: All periods that are not recorded shall be considered and reported as a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
<b>V. Control Device Information</b>		
Control Device ID No.: 302M331, 302M460, 302M3069		
Control Device Type: BOIL2		

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

<b>I. Identifying Information</b>		
Account No.: MHA002B	RN No.: RN105195655	CN: CN603164716
Permit No.: O2943	Project No.: TBD	
Area Name: OQ Chemicals Corporation Bay City Plant		
Company Name: OQ Chemicals Corporation		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: 8, 9, 10, 11		
Unit/EPN/Group/Process ID No.: GRP-TANKS12		
Applicable Form: OP-UA3		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 115 Storage of VOCs		
SOP/GOP Index No.: 115B-FLR		
Pollutant: VOC		
Main Standard: §115.112(c)(1)		
<b>IV. Title V Monitoring Information</b>		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-003		
Deviation Limit: Absence of pilot flame.		
CAM/PM Option No.:		
Deviation Limit:		
<b>V. Control Device Information</b>		
Control Device ID No.: 303M1239		
Control Device Type: FLARE		