

**From:** eric.quiat@powereng.com  
**Sent:** Monday, July 8, 2024 10:17 AM  
**To:** Carolyn Maus  
**Cc:** Tammy Lasater / FPC Environmental; LeAnn M. Usoff/FTEHSF;  
azli.hassan@powereng.com  
**Subject:** RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant  
**Attachments:** TCEQ-OP-CRO1 Certification by Responsible Official-07.05.2024.pdf

Carolyn,

The final WDP looks good to us.

The signed OP-CRO1 form is attached. Please let us know if you need anything else from us in getting this processed.

Regards,

ERIC QUIAT, P.E.  
PROJECT MANAGER

[512-579-3823](tel:512-579-3823)  
[512-496-7655](tel:512-496-7655) cell

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[www.powereng.com](http://www.powereng.com) [[linkprotect.cudasvc.com](http://linkprotect.cudasvc.com)]



---

**From:** Carolyn Maus <[carolyn.maus@tceq.texas.gov](mailto:carolyn.maus@tceq.texas.gov)>  
**Sent:** Friday, June 28, 2024 9:57 AM  
**To:** Quiat, Eric <[eric.quiat@powereng.com](mailto:eric.quiat@powereng.com)>  
**Cc:** Tammy Lasater / FPC Environmental <[tlasater@ftpc.fpcusa.com](mailto:tlasater@ftpc.fpcusa.com)>; LeAnn M. Usoff/FTEHSF <[LeAnnU@ftpc.fpcusa.com](mailto:LeAnnU@ftpc.fpcusa.com)>; Hassan, Azli <[azli.hassan@powereng.com](mailto:azli.hassan@powereng.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

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Hi Eric,

Thanks for your patience for me to get this back to you all. Please see the attached revised WDP. I have implemented the following comments:

- 1) Changed unit ID 3U-NH3TK to 3TTB-02A and updated unit name.

**Form OP-CRO1**  
**Certification by Responsible Official**  
**Federal Operating Permit Program**

All initial permit application, revision, renewal, and reopening 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: 100218973	CN: 600130017	Account No.: CB0038Q
Permit No.: O4212	Project No.: 35951	
Area Name: Utilities 3 Plant	Company Name: Formosa Plastics Corporation, Texas	
<b>II. Certification Type</b> <i>(Please mark the appropriate box)</i>		
<input type="checkbox"/> Responsible Official	<input checked="" type="checkbox"/> Duly Authorized Representative	
<b>III. Submittal Type</b> <i>(Please mark the appropriate box) (Only one response can be accepted per form)</i>		
<input type="checkbox"/> SOP/TOP Initial Permit Application	<input checked="" type="checkbox"/> Update to Permit Application	
<input type="checkbox"/> GOP Initial Permit Application	<input type="checkbox"/> Permit Revision, Renewal, or Reopening	
<input type="checkbox"/> Other: _____		
<b>IV. Certification of Truth</b>		
<p><b>This certification does not extend to information which is designated by the TCEQ as information for reference only.</b></p> <p>I, <u>Mike Rivet</u> certify that I am the <u>DAR</u> <i>(Certifier Name printed or typed)</i> <span style="float: right;"><i>(RO or DAR)</i></span></p> <p>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:</p> <p><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></p> <p>Time Period: From <u>11/06/2023</u> to <u>07/01/2024</u> <span style="margin-left: 150px;"><i>Start Date</i></span> <span style="margin-left: 150px;"><i>End Date</i></span></p> <p>Specific Dates: _____ <span style="margin-left: 100px;"><i>Date 1</i></span> <span style="margin-left: 50px;"><i>Date 2</i></span> <span style="margin-left: 50px;"><i>Date 3</i></span> <span style="margin-left: 50px;"><i>Date 4</i></span> <span style="margin-left: 50px;"><i>Date 5</i></span> <span style="margin-left: 50px;"><i>Date 6</i></span></p>		
<div style="display: flex; justify-content: space-between; align-items: flex-end;"><div>Signature: <u>Mike Rivet</u></div><div style="text-align: center;"><small>Digitally signed by Mike Rivet DN: cn=Mike Rivet, o=FPCTX, ou=GMO, email=mikerivet@ftpcfpusa.com, c=US Date: 2024.07.05 12:47:46 -05'00'</small></div><div>Signature Date: <u>07/05/2024</u></div></div> <p>Title: <u>Assistant Vice President/Site Manager</u></p>		

**From:** eric.quiat@powereng.com  
**Sent:** Friday, June 28, 2024 3:42 PM  
**To:** Carolyn Maus  
**Cc:** Tammy Lasater / FPC Environmental; LeAnn M. Usoff/FTEHSF;  
azli.hassan@powereng.com  
**Subject:** RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

Thanks Carolyn. We will review and get back with you.

ERIC QUIAT, P.E.  
PROJECT MANAGER

[512-579-3823](tel:512-579-3823)  
[512-496-7655](tel:512-496-7655) cell

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**From:** Carolyn Maus <[carolyn.maus@tceq.texas.gov](mailto:carolyn.maus@tceq.texas.gov)>  
**Sent:** Friday, June 28, 2024 9:57 AM  
**To:** Quiat, Eric <[eric.quiat@powereng.com](mailto:eric.quiat@powereng.com)>  
**Cc:** Tammy Lasater / FPC Environmental <[tlasater@ftpc.fpcusa.com](mailto:tlasater@ftpc.fpcusa.com)>; LeAnn M. Usoff/FTEHSF <[LeAnnU@ftpc.fpcusa.com](mailto:LeAnnU@ftpc.fpcusa.com)>; Hassan, Azli <[azli.hassan@powereng.com](mailto:azli.hassan@powereng.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

<p><b>CAUTION:</b> This Email is from an <b>EXTERNAL</b> source. <b>STOP. THINK</b> before you CLICK links or OPEN attachments.</p>
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Hi Eric,

Thanks for your patience for me to get this back to you all. Please see the attached revised WDP. I have implemented the following comments:

- 1) Changed unit ID 3U-NH3TK to 3TTB-02A and updated unit name.
- 2) Switched the two unit names for 3U-TTW13A and 3U-TTW13B.

The one requested change that I did not make is to add language to the basis of determination for the Chapter 115 permit shield for 3TTB-02A. There are several reasons. First, changes to permit shields cannot be made during a minor revision. Second, the existing wording fully establishes that the tank is exempt so additional details are unnecessary. Third, if we were to include additional details, they would need to demonstrate some additional way that the tank is exempt. The point that the tank operates above atmospheric pressure and is not an atmospheric tank does not

correspond to an additional facet of negative applicability. If the tank was in a covered county storing VOC, say for example subject to 115.112(e)(1), the tank would either have to be controlled according to the table in that citation or maintain working pressure, and we would have included the working pressure stipulation as a requirement in the Special Terms and Conditions. It would not be eligible for a shield on that basis. As a result of these reasons, the basis of determination will remain the same.

I will begin preparing the file for public announcement. The only remaining item I need is certification for the WDP comments. Please do one of the following options by **Monday, July 8, 2024**:

- 1) Send me an OP-CRO1. You can use the Time Period or Specific Date option on the form as long as the date of 05/07/2024 is covered. You may email me a scan, but please follow up with the wet ink original in the mail afterwards.
- 2) Submit the WDP comments in STEERS (you can upload the 05/07/2024 email and WDP with your tracked changes/comments as attachments). It will be certified via the submittal process by having the RO or DAR sign and submit.

If you have any questions, please let me know.

Sincerely,

Carolyn Maus, P.E.  
Air Permits Division  
Texas Commission on Environmental Quality  
P.O. Box 13087, MC 163  
Austin, TX 78711  
Phone: (512) 239-6204  
Fax: (512) 239-1400



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---

**From:** eric.quiat@powereng.com  
**Sent:** Tuesday, May 7, 2024 4:17 PM  
**To:** Carolyn Maus  
**Cc:** Tammy Lasater / FPC Environmental; LeAnn M. Usoff/FTEHSF;  
azli.hassan@powereng.com  
**Subject:** RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant  
**Attachments:** WDP O4212 - comments for TCEQ.docx

Carolyn,

Please find comments on the WDP attached.

Thank you,

ERIC QUIAT, P.E.  
PROJECT MANAGER

[512-579-3823](tel:512-579-3823)  
[512-496-7655](tel:512-496-7655) cell

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---

**From:** Carolyn Maus <[carolyn.maus@tceq.texas.gov](mailto:carolyn.maus@tceq.texas.gov)>  
**Sent:** Tuesday, April 30, 2024 10:18 AM  
**To:** Quiat, Eric <[eric.quiat@powereng.com](mailto:eric.quiat@powereng.com)>  
**Cc:** Tammy Lasater / FPC Environmental <[tlasater@ftpc.fpcusa.com](mailto:tlasater@ftpc.fpcusa.com)>; LeAnn M. Usoff/FTEHSF <[LeAnnU@ftpc.fpcusa.com](mailto:LeAnnU@ftpc.fpcusa.com)>; Hassan, Azli <[azli.hassan@powereng.com](mailto:azli.hassan@powereng.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Formosa Plastics Corporation, Texas

AUTHORIZING THE OPERATION OF  
Formosa Point Comfort Complex  
Utilities 3 (UT3) Plant  
Petrochemical Manufacturing

LOCATED AT  
Jackson County, Texas  
Latitude 28° 41' 20" Longitude 96° 32' 50"  
Regulated Entity Number: RN100218973

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O4212 Issuance Date: August 19, 2021

\_\_\_\_\_  
For the Commission

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
3TTB-02A3U-NH3TK	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is a storage vessel and operates above atmospheric pressure and is not an atmospheric storage tank. Further, it is not located in a covered county and unit does not store VOC's.
3U-TTB-04	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
3U-TTB-05	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
3U-TTB-06	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
3U-TTW13A	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
3U-TTW13B	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
3U-TTW12	N/A	30 TAC Chapter 115, Storage of VOCs	Unit is not located in a covered county and unit does not store VOC's.
UT3-GRPLOVT	3U-7ALOVT, 3U-7BLOVT, 3U-STLOVT	30 TAC Chapter 115, Vent Gas Controls	Unit is not located in a covered county.
UT3-GRPNGVT	3U-7ANGVT, 3U-7BNGVT	30 TAC Chapter 115, Vent Gas Controls	Unit is not located in a covered county.

**Commented [QE1]:** TCEQ - please update the unit ID for this row.

**Commented [QE2]:** TCEQ - we would like to add this language to the basis of determination for this entry.

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### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
3U-7A	UT3 NO. 1 GAS TURBINE	140763, GHGPSDTX46, PSDTX1500
3U-7ALOV	UT3 NO. 1 GAS TURBINE LUBE OIL VENT	140763, GHGPSDTX46, PSDTX1500
3U-7ANGVT	UT3 NO. 1 GAS TURBINE NATURAL GAS VENT	140763, GHGPSDTX46, PSDTX1500
3U-7B	UT3 NO. 2 GAS TURBINE	140763, GHGPSDTX46, PSDTX1500
3U-7BLOVT	UT3 NO. 2 GAS TURBINE LUBE OIL VENT	140763, GHGPSDTX46, PSDTX1500
3U-7BNGVT	UT3 NO. 2 GAS TURBINE NATURAL GAS VENT	140763, GHGPSDTX46, PSDTX1500
<del>3TTB-02A3U-NH3TK</del>	UT3 AQUEOUS AMMONIA <del>TANK</del> STORAGE VESSEL	140763, GHGPSDTX46, PSDTX1500
3U-STLOVT	UT3 STEAM TURBINE LUBE OIL VENT	140763, GHGPSDTX46, PSDTX1500
3U-TTB-04	UT3 AMINE TANK	106.472/09/04/2000
3U-TTB-05	UT3 DEHA TANK	106.472/09/04/2000
3U-TTB-06	UT3 PHOSPHATE TANK	106.472/09/04/2000
3U-TTW13A	<del>UT3 DISPERSANT TANK</del> UT3 CORROSION INHIBITOR TANK	106.472/09/04/2000
3U-TTW13B	<del>UT3 DISPERSANT TANK</del> UT3 CORROSION INHIBITOR TANK	106.472/09/04/2000
3U-TTW12	UT3 SULFURIC ACID TANK	140763, GHGPSDTX46, PSDTX1500

\*\*This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

**Commented [QE3]:** TCEQ - please update the Unit ID and description for this item.

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**Formatted:** Default Paragraph Font

**Commented [QE4]:** TCEQ, the names for these two tanks need to be switched.



**From:** Carolyn Maus  
**Sent:** Tuesday, April 30, 2024 11:18 AM  
**To:** eric.quiat@powereng.com  
**Cc:** Tammy Lasater / FPC Environmental; LeAnn M. Usoff/FTEHSF; azli.hassan@powereng.com  
**Subject:** RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

Hi Eric,

Yes, that would be fine. I will make a note to look for your response on 5/8.

Sincerely,

Carolyn Maus, P.E.  
Air Permits Division  
Texas Commission on Environmental Quality  
P.O. Box 13087, MC 163  
Austin, TX 78711  
Phone: (512) 239-6204  
Fax: (512) 239-1300



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**From:** [eric.quiat@powereng.com](mailto:eric.quiat@powereng.com) <[eric.quiat@powereng.com](mailto:eric.quiat@powereng.com)>  
**Sent:** Tuesday, April 30, 2024 10:44 AM  
**To:** Carolyn Maus <[carolyn.maus@tceq.texas.gov](mailto:carolyn.maus@tceq.texas.gov)>  
**Cc:** Tammy Lasater / FPC Environmental <[tlasater@ftpc.fpcusa.com](mailto:tlasater@ftpc.fpcusa.com)>; LeAnn M. Usoff/FTEHSF <[LeAnnU@ftpc.fpcusa.com](mailto:LeAnnU@ftpc.fpcusa.com)>; [azli.hassan@powereng.com](mailto:azli.hassan@powereng.com)  
**Subject:** RE: Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

Carolyn,

Good morning. We are currently reviewing the WDP you provided in the email below. May we have a few additional days to respond to you on the WDP with any comments? We anticipate that we can supply comments to you by next Wednesday 5/8. Thank you and please let us know if this will work for you.

Regards,

ERIC QUIAT, P.E.  
PROJECT MANAGER

[512-579-3823](tel:512-579-3823)  
[512-496-7655](tel:512-496-7655) cell

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**From:** Carolyn Maus <[carolyn.maus@tceq.texas.gov](mailto:carolyn.maus@tceq.texas.gov)>

**Sent:** Friday, April 19, 2024 12:41 PM

**To:** LeAnn M. Usoff/FTEHSF <[LeAnnU@ftpc.fpcusa.com](mailto:LeAnnU@ftpc.fpcusa.com)>

**Subject:** Working Draft Permit -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Formosa Point Comfort Plant

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- IT/Management Center

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Good afternoon,

I have conducted a technical review of the minor revision application for Formosa Plastics Corporation, Texas, Formosa Point Comfort Plant, Utilities 3 (UT3) 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. Changes made are as follows:

- 1) Updated issuance dates for GHGPSDTX46, PSDTX1500, and 140763 to 06/22/2023. (Please note that since 140763 and PSDTX1500 are in the same document, the same issuance date will always be listed for both in the Title V permit, even if a particular NSR action did not involve a PSD modification. That is just our standard format for referencing.)
- 2) Updated Major NSR Summary Tables based on the revised versions from the application. The only further change I made is for the row for 3U-TTW12 in the 140763/PSDTX1500 table. For NSR permit conditions, we do not reference subparagraphs but just use the term number, so you will see 14 listed instead of 14.C. (The GHG permit is an exception since that was originally not issued by TCEQ so all the condition numbering is a different format, and we maintain that.)

Please review the WDP and submit to me any comments you have on the working draft permit by **May 3, 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) [[linkprotect.cudasvc.com](http://linkprotect.cudasvc.com)]. 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](http://linkprotect.cudasvc.com) [[linkprotect.cudasvc.com](http://linkprotect.cudasvc.com)].**

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,

Carolyn Maus, P.E.  
Air Permits Division  
Texas Commission on Environmental Quality  
P.O. Box 13087, MC 163  
Austin, TX 78711  
Phone: (512) 239-6204  
Fax: (512) 239-1400



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**From:** Carolyn Maus <carolyn.maus@tceq.texas.gov>  
**Sent:** Thursday, December 21, 2023 8:35 PM  
**To:** LeAnn M. Usoff/FTEHSF  
**Subject:** Technical Review -- FOP O4212/Project 35951, Formosa Plastics Corporation, Texas/Utilities 3 (UT3) Plant

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Good evening,

I have been assigned to the Federal Operating Permit (FOP) minor revision application of Permit No. O4212 for Formosa Plastics Corporation, Texas, Utilities 3 (UT3) Plant. This application has been assigned Project No. 35951. Please address all correspondence pertaining to this permit application, including any updates, to me at the address in my email signature, and use both the Permit and Project reference numbers above to facilitate tracking. I will be conducting a technical review of the application and will request any updates or corrections from you if needed.

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. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

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,

Carolyn Maus, P.E.  
Air Permits Division  
Texas Commission on Environmental Quality  
P.O. Box 13087, MC 163  
Austin, TX 78711  
Phone: (512) 239-6204  
Fax: (512) 239-1400



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## Texas Commission on Environmental Quality

Title V Existing

4212

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	UTILITIES 3 (UT3) PLANT
County	JACKSON
Latitude (N) (##.#####)	28.688888
Longitude (W) (-###.#####)	96.547222
Primary SIC Code	2821
Secondary SIC Code	
Primary NAICS Code	325110
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100218973
What is the name of the Regulated Entity (RE)?	FORMOSA POINT COMFORT PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	201 FORMOSA DR
City	POINT COMFORT
State	TX
ZIP	77978
County	CALHOUN
Latitude (N) (##.#####)	28.6888
Longitude (W) (-###.#####)	-96.5472
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

### Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN600130017
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Formosa Plastics Corporation, Texas
Texas SOS Filing Number	5107506
Federal Tax ID	222355464
State Franchise Tax ID	12223554648
State Sales Tax ID	
Local Tax ID	
DUNS Number	106238165
Number of Employees	501+
Independently Owned and Operated?	Yes

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	FORMOSA PLASTICS CORPORATION TEXAS
Prefix	MR
First	KEN
Middle	
Last	MOUNGER
Suffix	
Credentials	
Title	EXECUTIVE VICE PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	9 PEACH TREE HILL RD
Routing (such as Mail Code, Dept., or Attn:)	
City	LIVINGSTON
State	NJ
ZIP	07039
Phone (###-###-####)	9737167205
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9739948005
E-mail	TammyL@fdde.fpcusa.com

## Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	MIKE RIVET(FORMOSA PLASTIC... )
Prefix	FORMOSA PLASTICS CORPORATION TEXAS
First	MR
Middle	MIKE
Last	RIVET
Suffix	
Credentials	
Title	EXECUTIVE DIRECTOR 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 700
Routing (such as Mail Code, Dept., or Attn:)	
City	POINT COMFORT
State	TX
Zip	77978



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

3619877000

Extension

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

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

E-mail

mikerivet@ftpc.fpcusa.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

Formosa Plastics Corporation Texas

Prefix

MS

First

LeAnn

Middle

Last

Usoff

Suffix

Credentials

Title

Assistant Manager of Air Permitting

Enter new address or copy one from list:

Duly Authorized Representative Contact Address

Mailing Address

Address Type

Domestic

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

PO BOX 700

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

City

POINT COMFORT

State

TX

ZIP

77978

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

3619209401

Extension

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

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

E-mail

leannu@ftpc.fpcusa.com

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

28 Deg 41 Min 20 Sec

3) Permit Longitude Coordinate:

96 Deg 32 Min 50 Sec

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

New Application

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

Streamlined Revision

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

No

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

No

5) Who will electronically sign this Title V application?

Duly Authorized Representative

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

No

## Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=171340>OP\_2\_Final UT3 Title V Minor Rev App 11-6-23.pdf</a>

Hash

A56095D958B74A9A6C3A046BC88202CEB28885C32E46640ECD323CFD67FE42CF

MIME-Type

application/pdf

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

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

## Expedite Title V

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

No

## Certification

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

1. I am Mike Rivet, the owner of the STEERS account ER093335.
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 4212.
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: Mike Rivet OWNER OPERATOR

Account Number:	ER093335
Signature IP Address:	172.108.196.196
Signature Date:	2023-11-07
Signature Hash:	9F4614222A5B6368E68AE9C9B5DD5994435A2EC6A7D72565FCA14D101EB6C11C
Form Hash Code at time of Signature:	096962B184B248CFE99A9C1A722EFB636FDB3BAA2E580D43DAC4DB359FF3AC08

## Submission

Reference Number:	The application reference number is 603130
Submitted by:	The application was submitted by ER093335/Mike Rivet
Submitted Timestamp:	The application was submitted on 2023-11-07 at 15:38:02 CST
Submitted From:	The application was submitted from IP address 172.108.196.196
Confirmation Number:	The confirmation number is 499217
Steers Version:	The STEERS version is 6.70
Permit Number:	The permit number is 4212

## Additional Information

Application Creator: This account was created by Eric Quiat



**Formosa Plastics®**

**Formosa Plastics Corporation, Texas**

201 Formosa Drive • P.O. Box 700

Point Comfort, TX 77978

Telephone: (361) 987-7000

November 6, 2023

Electronic Delivery via STEERS

Texas Commission on Environmental Quality  
Air Permits Initial Review Team (APIRT) (MC-161)  
P. O. Box 13087  
Austin, Texas 78711-3087

RE: Formosa Plastics Corporation, Texas  
Utilities 3 (UT3) Plant Title V SOP Minor Revision Application  
TCEQ Air Quality Project Number: TBA  
TCEQ Title V Permit Number: O4212  
Customer Reference Number: CN600130017  
Regulated Entity Number: RN100218973  
TCEQ Air Quality Account Number CB0038Q

To Whom It May Concern:

Formosa Plastics Corporation, Texas (FPC TX) is submitting the enclosed Title V Site Operating Permit (SOP) minor revision application for the Utilities 3 (UT3) Plant located in Point Comfort, Calhoun and Jackson Counties, Texas. The enclosed permit application incorporates the UT3 Plant's NSR permit no. 140763 and GHGPSDTX46 amendments issued on June 22, 2023.

The enclosed application includes the following forms: OP-CRO1, OP-2, OP-REQ1 (page 87), and Major NSR Summary Tables.

Should you have any questions, please contact Ms. LeAnn Usoff at [leannu@ftpc.fpcusa.com](mailto:leannu@ftpc.fpcusa.com) or by telephone at (361) 920-9401.

Sincerely,

Mike Rivet  
Executive Director/Site Manager  
Formosa Plastics Corporation, Texas

Enclosure

CC: Electronic Delivery via STEERS  
Air Program Manager, Region 14  
Texas Commission on Environmental Quality  
NRC Building, Ste. 1200  
6300 Ocean Drive, Unit 5839  
Corpus Christi, Texas 78412-5839  
(Copy of the Application)

Electronic Delivery: [R6AirPermitsTX@epa.gov](mailto:R6AirPermitsTX@epa.gov)  
EPA Region 6

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**OP-CR01**

**Form OP-CRO1**  
**Certification by Responsible Official**  
**Federal Operating Permit Program**

All initial permit application, revision, renewal, and reopening 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: 100218973		CN: 600130017		Account No.: CB0038Q	
Permit No.: O4212			Project No.: TBA		
Area Name: Utilities 3 Plant			Company Name: Formosa Plastics Corporation, Texas		
<b>II. Certification Type</b> <i>(Please mark the appropriate box)</i>					
<input type="checkbox"/> Responsible Official			<input checked="" type="checkbox"/> Duly Authorized Representative		
<b>III. Submittal Type</b> <i>(Please mark the appropriate box) (Only one response can be accepted per form)</i>					
<input type="checkbox"/> SOP/TOP Initial Permit Application		<input type="checkbox"/> Update to Permit Application			
<input type="checkbox"/> GOP Initial Permit Application		<input checked="" type="checkbox"/> Permit Revision, Renewal, or Reopening			
<input type="checkbox"/> Other: _____					
<b>IV. Certification of Truth</b>					
<b>This certification does not extend to information which is designated by the TCEQ as information for reference only.</b>					
I, <u>Mike Rivet</u> certify that I am the <u>DAR</u> <div style="text-align: center;"><i>(Certifier Name printed or typed)</i> <span style="margin-left: 100px;"><i>(RO or DAR)</i></span></div>					
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 _____ <div style="text-align: center;"><i>Start Date</i> <span style="margin-left: 100px;"><i>End Date</i></span></div>					
Specific Dates: <u>11/03/2023</u> <div style="text-align: center;"><i>Date 1</i> <span style="margin-left: 20px;"><i>Date 2</i></span> <span style="margin-left: 20px;"><i>Date 3</i></span> <span style="margin-left: 20px;"><i>Date 4</i></span> <span style="margin-left: 20px;"><i>Date 5</i></span> <span style="margin-left: 20px;"><i>Date 6</i></span></div>					
Signature: <u>(signed in STEERS)</u> Signature Date: _____					
Title: <u>Executive Director/Site Manager</u>					

**OP-2**



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

Date: 11/03/2023	
Permit No.: 04212	
Regulated Entity No.: RN100218973	
Company Name: Formosa Plastics Corporation, Texas	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>I. Application Type</b>	
Indicate the type of application:	
<input type="checkbox"/> Renewal	
<input checked="" type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
<input type="checkbox"/> Significant Revision	
<input type="checkbox"/> Revision Requesting Prior Approval	
<input type="checkbox"/> Administrative Revision	
<input type="checkbox"/> Response to Reopening	
<b>II. Qualification Statement</b>	
For SOP Revisions Only <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
For GOP Revisions Only <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	

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

<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: (Check the appropriate box[es].)
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO <sub>x</sub> <input checked="" type="checkbox"/> SO <sub>2</sub> <input checked="" type="checkbox"/> PM <sub>10</sub> <input checked="" type="checkbox"/> CO <input type="checkbox"/> Pb <input checked="" type="checkbox"/> HAP
Other: GHGs
<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)? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</span>
<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.

**OP-REQ1**

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

Date:	11/03/2023
Permit No.:	O4212
RN No.:	RN100218973

*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.: PSDTX1500	Issuance Date: 04/17/2017	Pollutant(s): VOC, CO, NOx, PM, PM <sub>10</sub> , PM <sub>2.5</sub>	
PSD Permit No.: GHGPSDTX46	Issuance Date: 06/22/2023	Pollutant(s): CO <sub>2</sub> e (GHGs)	
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.: 140763	Issuance Date: 06/22/2023	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.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

## MAJOR NSR SUMMARY TABLES

### Major NSR Summary Table

Permits Numbers: GHGPSDTX46					Issuance Date: 06/22/2023		
Emission Point No.	Source Name	GHG Mass Basis		TPY CO2e <sup>3</sup>	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
		Air Contaminant Name	TPY <sup>2,4</sup>		Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
3U-7A	Combined-cycle CT No. 1/HRSG	N <sub>2</sub> O	1	549,150	III.A.2, 3, 5, 6, 9, 10, 12, III.B.1, 3, 4, 5, III.E.1, 2, 3, IV.1, 7, V.A, B, C, D, E, F, G, H, I	III.A.2, 3, 5, 6, 10, 12, 13, 14, 15, III.E.1, 3, IV.1, 3, 4, 5, 8, V.A, B, C, D, F	III.B.3, III.E.3, IV.5, V.B, V.C, V.D
		CH <sub>4</sub>	10				
		CO <sub>2</sub>	548,583				
3U-7ANGVT	Turbine No. 1 Startup Natural Gas Purges	CH <sub>4</sub>	<1	13	III.D, IV.1, 3, 7	IV.1, 3, 4, 5, 8	IV.5
		CO <sub>2</sub>	<1				
3U-7B	Combined-cycle CT No. 2/HRSG	N <sub>2</sub> O	1	549,150	III.A.2, 3, 5, 6, 9, 10, 12, III.B.1, 3, 4, 5, III.E.1, 2, 3, IV.1, 7, V.A, B, C, D, E, F, G, H, I	III.A.2, 3, 5, 6, 10, 12, 13, 14, 15, III.E.1, 3, IV.1, 3, 4, 5, 8, V.A, B, C, D, F	III.B.3, III.E.3, IV.5, V.B, V.C, V.D
		CH <sub>4</sub>	10				
		CO <sub>2</sub>	548,583				
3U-7BNGVT	Turbine No. 2 Startup Natural Gas Purges	CH <sub>4</sub>	<1	13	III.D, IV.1, 3, 7	IV.1, 3, 4, 5, 8	IV.5
		CO <sub>2</sub>	<1				
OL3-FLRA OL3-FLRB	Flare Waste Gas Combustion	N <sub>2</sub> O	<1	<1	IV.1, 7	IV.1, 3, 4, 5, 8	IV.5
		CH <sub>4</sub>	<1				
		CO <sub>2</sub>	<1				
3U-NGFUG	Natural Gas Fugitives <sup>5</sup>	CH <sub>4</sub>	<1	80	III.C.1, IV.1, 2, 7	III.C.2, IV.2, 3, 4, 5, 8	IV.5
		CO <sub>2</sub>	3				
3U-MSS	Natural gas purges during small equipment and fugitive component repair, replacement, and maintenance <sup>5</sup>	CH <sub>4</sub>	<1	7	IV.1, 7	IV.1, 3, 4, 5, 8	IV.5
		CO <sub>2</sub>	<1				
Totals <sup>6</sup>		N <sub>2</sub> O	2	1,098,412			
		CH <sub>4</sub>	24				
		CO <sub>2</sub>	1,097,194				

1. Compliance with the annual emission limits (tons per year) is based on a 12-month rolling total.
2. The tpy GHG Mass Basis values are for informational purposes only and do not constitute an emission limit.
3. The tpy emission limits specified in this table are not to be exceeded for this facility and include emissions from the facility during all operations and include MSS activities.
4. Global Warming Potentials (GWP): CH<sub>4</sub> = 25, N<sub>2</sub>O = 298,
5. Fugitive process emissions totals are for informational purposes only and do not constitute an emission limit. The emission limit will be a design/work practice as specified in the permit.
6. The total emissions include the PTE for fugitive emissions. Totals are given for informational purposes only and do not constitute emission limits.

## Major NSR Summary Table

Permits Numbers: 140763 and PSDTX1500					Issuance Date: 06/22/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission	Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
3U-7A	UT3 No. 1 Gas Turbine	NO <sub>x</sub>	9.69	50.74	2, 5, 6, 7, 11, 16, 17, 19, 21	2, 6, 10, 16, 17 18, 20, 23, 24	2, 16, 17
		NO <sub>x</sub> (MSS)	177.18				
		CO	11.79	78.16			
		CO (MSS)	434.17				
		VOC	3.37	15.82			
		VOC (MSS)	37.22				
		SO <sub>2</sub>	0.93	3.67			
		PM	4.03	17.38			
		PM <sub>10</sub>	4.03	17.38			
		PM <sub>2,5</sub>	4.03	17.38			
		NH <sub>3</sub>	17.93	73.08			
		NH <sub>3</sub> (MSS)	50.00				
		H <sub>2</sub> SO <sub>4</sub>	0.43	1.68			
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.58	2.27			
3U-7ALOV T	UT3 No. 1 Gas Turbine Lube Oil Vent (5)	VOC	0.01	0.04		23	
		PM	0.01	0.04			
		PM <sub>10</sub>	0.01	0.04			
		PM <sub>2,5</sub>	0.01	0.04			
3U-7ANGVT	UT3 No. 1 Gas Turbine Natural Gas Vent (5)	VOC	0.66	0.02		23	
3U-CL2FUG	UT3 Chlorine Fugitives (5)	Cl <sub>2</sub>	0.01	0.02		23	
3U-7B	UT3 No. 2 Gas Turbine	NO <sub>x</sub>	9.69	50.74	2, 5, 6, 7, 11, 16, 17, 19, 21	2, 6, 10, 16, 17, 18, 20, 23, 24	2, 16, 17
		NO <sub>x</sub> (MSS)	177.18				
		CO	11.79	78.16			

TCEQ-20648 (APD-ID164v1.0, Revised 09/22) Major NSR Summary Table

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

Permits Numbers: 140763 and PSDTX1500					Issuance Date: 06/22/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission	Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
		CO (MSS)	434.17	15.82			
		VOC	3.37				
		VOC (MSS)	37.22				
		SO <sub>2</sub>	0.93	3.67			
		PM	4.03	17.38			
		PM <sub>10</sub>	4.03	17.38			
		PM <sub>2.5</sub>	4.03	17.38			
		NH <sub>3</sub>	17.93	73.08			
		NH <sub>3</sub> (MSS)	50.00				
		H <sub>2</sub> SO <sub>4</sub>	0.43	1.68			
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.58	2.27			
3U-7BLOVT	UT3 No. 2 Gas Turbine Lube Oil Vent (5)	VOC	0.01	0.04		23	
		PM	0.01	0.04			
		PM <sub>10</sub>	0.01	0.04			
		PM <sub>2.5</sub>	0.01	0.04			
3U-7BNGVT	UT3 No. 2 Gas Turbine Natural Gas Vent (5)	VOC	0.66	0.02		23	
3U-STLOVT	UT3 Steam Turbine Lube Oil Vent (5)	VOC	0.01	0.04		23	
		PM	0.01	0.04			
		PM <sub>10</sub>	0.01	0.04			
		PM <sub>2.5</sub>	0.01	0.04			
OL3-FLRA, OL3-FLRB	UT3 Contribution to the Olefins 3 Elevated Flare	NO <sub>x</sub>	2.00	0.01		23	
		CO	7.98	0.01			
		VOC	15.02	0.01			
3U-NGFUG	UT3 Natural Gas Fugitives (5)	VOC	0.12	0.51		23	



Permits Numbers: 140763 and PSDTX1500					Issuance Date: 06/22/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission	Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.	Spec. Cond./Appl. Info.
3U-NH3FUG	UT3 Aqueous Ammonia Fugitives (5)	NH <sub>3</sub>	0.02	0.08	13	23, 24	
3U-MSS	UT3 ILE Maintenance Fugitives (5)	NO <sub>x</sub>	0.01	0.01	10	10, 23, 24	
		CO	0.01	0.01			
		VOC	1.00	0.01			
		VOC	27.83	0.14			
		PM	27.83	0.14			
		PM <sub>10</sub>	27.83	0.14			
		PM <sub>2.5</sub>	47.96	0.05			
3U-W10	UT3 Cooling Tower	PM	0.86	2.40	22	22, 23	
		PM <sub>10</sub>	0.20	0.87			
		PM <sub>2.5</sub>	0.01	0.01			
		HOCl	0.01	0.01			
3U-TTW12	UT3 Sulfuric Acid Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01	14.C	14.C, 23	

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
HOCl - hypochlorous acid  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
NH<sub>3</sub> - ammonia  
(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> - ammonium Sulfate  
Cl<sub>2</sub> - chlorine gas
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.