From: Conor Braman <cbraman@slrconsulting.com>
Sent: Thursday, September 5, 2024 4:29 PM
To: Alfredo Mendoza
Cc: LeAnn M. Usoff/FTEHSF
Subject: RE: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant
Attachments: App D.3 OP-UA12.pdf; App D.6 OP-UA28.pdf; OP-REQ1 83 and 84.pdf; OP-SUMR.pdf

Alfredo

Good afternoon. Please see responses to your requests below.

1) Please find attached the updated OP-UA4 as requested.
2) Please find attached the OP-UA28 noting the 0.1+ and 0.1- for the IDs in question.
3) Please find attached the updated OP-REQ1 with CAM questions answered.
4) Please find attached OP-UA12 noting that Formosa does use the 2% option.

Also note that LeAnn will be on vacation from September 12 to the 23, and unavailable during that time to respond to requests.

Thanks and have a great day.

Conor

Conor Braman

(he/him/his)
Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Sent: August 29, 2024 2:09 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>

Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

In reviewing the working draft permit comments submitted on July 30, 2024, there are additional items that need resolution:

- In order to add emission unit FTPP2G111 that was submitted on form OP-UA4 to the permit, it is required to be listed on form OP-SUMR in order to provide the unit name description and NSR Authorization. Please submit form OP-SUMR with this emission unit added.
- In response to the comment on emission unit PP2-UNIT, I did not see an updated OP-UA28 to address the difference in the Weight Percent TOC unit attribute for SOP Index 60DDD-3a and 60DDD-3b. The comments indicated that one should be 0.1+, however it was listed as 0.1- for both indexes in the renewal application. Please submit an updated OP-UA28, page 4 to correct the unit attributes for these SOP Index Numbers for emission unit PP2-UNIT.
- On the OP-REQ1 page 83, questions XI.L.3 and 4 related to CAM were both marked NO. Since CAM was submitted in a previous application, question XI.L.3 must be marked Yes and questions XI.L.5 through XI.L.12 must be completed. Please resubmit pages 83 and 84 relating to CAM. The updated CAM responses will reinstate the CAM Special Terms and Conditions in the draft permit.
- Regarding the comment for the 40 CFR Part 60, Subpart DDD fugitive requirements for emission units PP1-FUG and PP2-FUG, the requirements for the valves in gas/vapor and light liquid were omitted from the permit due to the 2.0% attribute on page 48 of the OP-UA12 being left blank. The 2.0% unit attribute would be required to be answered Yes for electing to comply with an allowable percentage of valves leaking of equal to or less than 2.0 percent as stated in 40 CFR §60.483-1(a). This will reinstate the line item in the Applicable Requirement Summary for the §60.562-2(b) compliance option that references 60.483-1 and 60.483-2. Please note that only one row of equipment leak requirements will be generated for the valves in gas/vapor and light liquid service and not two like the previous permit as you either comply with the 2.0% leak option for valves or not. Please submit form OP-UA12 page 48 to update the valves in gas/vapor or light liquid service attributes for emission units PP1-FUG and PP2-FUG as appropriate.

Please submit the requested forms via email by **September 6, 2024**. After I receive the updated forms, I will send an updated draft permit that incorporates the requested changes (including the periodic monitoring changes originally submitted) for a final review before I request certification of the previous submitted updates. You may either certify the updated forms that have been submitted via email through STEERS or submit a hard copy OP-CRO1 to certify the application updates.

If you have any questions on the above items, please let me know.

Thanks,

Alfredo Mendoza, P.E.

Technical Specialist
TCEQ Air Permits Division
Operating Permits Section
ph: (512) 239-1335
alfredo.mendoza@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at
https://www.tceq.texas.gov/customersurvey

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: Wednesday, August 28, 2024 4:24 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: New Permit Reviewer - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Conor Braman,

Please note that the new POC for this project going forward will be Mr. Alfredo Mendoza (alfredo.mendoza@tceq.texas.gov). I have also copied Mr. Mendoza on this email thread to facilitate the transition. Please address all future correspondence to him.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Tuesday, July 30, 2024 7:42 AM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: RE: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Paige

Good morning. Please find attached to this email comments on the WDP, updated MNSR summary tables, and an OP-UA4. While reviewing the permit we realized one loading operation was not accounted for; it's an operation that happens 2 or 3 times per year. So it meets the low volume exemptions in 115 and Group 2 MACT FFFF.

Please let us know if you need anything else, and have a great day!

Conor

Conor Braman
(he/him/his)
Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: July 15, 2024 11:20 AM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

> You don't often get email from paige.cartwright@tceq.texas.gov. Learn why this is important

Mr. Braman,

I have completed the Working Draft Permit (WDP) for your Federal Operating Permit (FOP) renewal permit application of permit no. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant.

Please review the attached WDP and submit any comments at your earliest convenience, but no later than **July 29, 2024**. Let me know if you have any questions or would like to discuss adjusting the deadline.

In addition, the following issues **must** be addressed before I can proceed with the permit review, Could you:

- Please review the two attached Major NSR Summary Tables for 19200/PSDTX1237 and 91780/PSDTX1240 and update as necessary so that they can be appropriately integrated in the draft permit.
- Review the comment within the attached WDP regarding the duplicate operating scenario. Please specify which index no. you would like to use between the two highlighted within the WDP document (60DDD-3a or 60DDD-3b).

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. 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 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 Authorization Package.

Please feel free to contact me if you have any questions or concerns regarding your application.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Friday, June 28, 2024 8:57 AM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: RE: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Paige

Good morning. Please find attached the updated documents as requested. Please let us know if you have any questions or need anything else.

Conor

Conor Braman
(he/him/his)
Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: June 25, 2024 3:05 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

Upon my initial review of the submitted renewal application for Formosa Plastics Corporation, Texas/Polypropylene Plant, the following issue(s) would need to be addressed before I can proceed with the permit review process, Could you please:

- Submit OP-MON forms for units D-107, D-108, and B-620 regarding regulation 30 TAC Chapter 115 Water Separation for index no. R5131-1.
- Submit a revised OP-UA4 for units B-615, B810, and B820 since the facility is located in a covered attainment county as defined in 30 TAC § 115.10.
- Submit a revised OP-UA60 for unit ID nos. PP2-3F405 and PP2-3F402 regarding regulation 40 CFR Part 63, Subpart FFFF.

Please submit these forms at your earliest convenience but no later than **July 3, 2024.**

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Sent: Monday, June 10, 2024 12:06 PM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: Conor Braman <cbraman@slrconsulting.com>
Subject: RE: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mrs. Paige Cartwright,

Conor Braman is our 3rd party environmental consultant for this permitting project. Please address all correspondence pertaining to this permit application, including any updates to myself and Conor at cbraman@slrconsulting.com.

I look forward to working on this project with you.

Thank you,

LeAnn Usoff
Air Permitting Assistant Manager
Environmental Dept.
Formosa Plastics Corporation, Texas
Phone: 361-987-7463 Mobile: 361-920-9401

Formosa Plastics

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: Monday, June 10, 2024 10:57 AM
To: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

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Mrs. Leann Usoff:

I have been recently assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant. This application has been assigned Project No. 36645. Please address all correspondence pertaining to this permit application, including any updates, to me via email and use both the Permit and Project reference numbers above to facilitate tracking.

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 the OP-PBRSUP and OP-REQ1 form instructions.

Please review the "SOP Technical Review Fact Sheet". 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.

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.

Sincerely,

Paige Cartwright
Environmental Specialist I
Air Permits Division
Operating Permits Team 2
Texas Commission on Environmental Quality
Phone: (512) 239 -1209
Paige.Cartwright@tceq.texas.gov

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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.
9/3/2024	O1956	100218973

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
	1	PO-CT	OP-UA15, OP-MON	Cooling Tower		19200	PSDTX1237
	2	PP1-CT	OP-UA15, OP-MON	Cooling Tower		19200	PSDTX1237
	3	PP2-CT	OP-UA15, OP-MON	Cooling Tower		91780	PSDTX1240
	4	PP2-CT3	OP-UA15, OP-MON	Cooling Tower		91780	PSDTX1240
A	5	FTPP2G111	OP-UA4	Hexane Cutter Stock Loading		91780	PSDTX1240

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

Date:	09/03/2024
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 83			
XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☒YES ☐NO
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.*	☐YES ☒NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐YES ☒NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐YES ☒NO
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "YES," go to Section XI.M.*	☐YES ☒NO

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

Date:	09/03/2024
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 84				
XI.	**Miscellaneous (continued)**			
	L.	**Compliance Assurance Monitoring (continued)**		
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES	☒NO
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☒YES	☐NO
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES	☒NO
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐YES	☒NO
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**		
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.*	☐YES	☒NO ☐N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
XII.	**New Source Review (NSR) Authorizations**			
	A.	**Waste Permits with Air Addendum**		
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.*	☐YES	☒NO

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/Modification Date	Experimental Process Line	Modified After Applicability Date	Table 2 Threshold Emission Rates
PP1-UNIT	60DDD-2	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3aF	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3bF	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3F	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-2	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3a	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3b	PROPYL	YES	89+	NO		MORE

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PP1-UNIT	60DDD-2	1-	BOTH	1.6+	0.1+
PP1-UNIT	60DDD-3aF	1-	BOTH	1.6-	0.1-
PP1-UNIT	60DDD-3bF	1-	BOTH	1.6-	0.1+
PP1-UNIT	60DDD-3F	1-	BOTH	1.6+	0.1-
PP2-UNIT	60DDD-2	1-	BOTH	1.6+	0.1+
PP2-UNIT	60DDD-3	1-	BOTH	1.6+	0.1-
PP2-UNIT	60DDD-3a	1-	BOTH	1.6-	0.1+
PP2-UNIT	60DDD-3b	1-	BOTH	1.6-	0.1-

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Control of Continuous Emissions	Continuous Control Device	Control Device ID No.	Annual Emissions Entering the Control Device	Table 3 Control Requirements	Emission Reduction From Control Device
PP1-UNIT	60DDD-2	ALL	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3aF	SOME	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3bF	SOME	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3F	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-2	ALL	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3a	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3b	SOME	FLARE	1018/1067	N/A	N/A	98+

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Emergency Vent	Existing Control Device	Intermittent Control Device	Control Device ID No.
PP1-UNIT	60DDD-2	NO	YES		
PP1-UNIT	60DDD-3aF	NO	YES		
PP1-UNIT	60DDD-3bF	NO	YES		
PP1-UNIT	60DDD-3F	NO	YES		
PP2-UNIT	60DDD-2	NO	YES		
PP2-UNIT	60DDD-3	NO	YES		
PP2-UNIT	60DDD-3a	NO	YES		
PP2-UNIT	60DDD-3b	NO	YES		

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 44)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/ Modification Date	VOC Service	Design Capacity	Equipment in Vacuum Service	VOC Service Less Than 300 Hours
PP1-FUG	60DDD-1	PROPYL	YES	89+	SOME	1000+	NO	
PP2-FUG	60DDD-1	PROPYL	YES	89+	SOME	1000+	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 45)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components							
		Pumps							
		Light Liquid Service	EEL	EEL ID No.	Complying with § 60.482-2	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
PP1-FUG	60DDD-1	YES	NO		YES	NO			
PP2-FUG	60DDD-1	YES	NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 46)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Flanges and Other Connectors	EEL	EEL ID No.	Complying with § 60.482-8	Compressors	EEL	EEL ID No.	Complying with § 60.482-3
PP1-FUG	60DDD-1	NO				YES	NO		YES
PP2-FUG	60DDD-1	NO				YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 47)
Federal Operating Permit Program
Table 5d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components								
		Pressure Relief Devices								
		Gas/Vapor Service	Light Liquid or Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8	Sampling Connection Systems	EEL	EEL ID No.	Complying with § 60.482-5
PP1-FUG	60DDD-1	YES	NO	NO		YES	YES	NO		YES
PP2-FUG	60DDD-1	YES	NO	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 48)
Federal Operating Permit Program
Table 5e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)								
		Valves								
		Gas/Vapor or Light Liquid Service	2.0%	EEL	EEL ID No.	Complying with § 60.482-7	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
PP1-FUG	60DDD-1	YES	YES	NO		YES	NO			
PP2-FUG	60DDD-1	YES	YES	NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 49)
Federal Operating Permit Program
Table 5f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
		Open-ended Valves or Lines	EEL	EEL ID No.	Complying with § 60.482-6	Closed-Vent (or Vapor Collection) Systems	EEL	EEL ID No.	Complying with § 60.482-10
PP1-FUG	60DDD-1	YES	NO		YES	NO			
PP2-FUG	60DDD-1	YES	NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 50)
Federal Operating Permit Program
Table 5g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)									
Unit ID No.	SOP Index No.	Vapor Recovery System	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.	Enclosed Combustion Device	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.
PP1-FUG	60DDD-1	NO					NO				
PP2-FUG	60DDD-1	NO					NO				

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 51)
Federal Operating Permit Program
Table 5h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)					Title 40 CFR Part 60, Subpart DDD Fugitive Unit Description
		Flare	BEEL	BEEL ID No.	Complying with § 60.482-10	Control Device ID No.	
PP1-FUG	60DDD-1	YES	NO		YES	1018/1067	Manufacturing Fugitives
PP2-FUG	60DDD-1	YES	NO		YES	1018/1067	Manufacturing Fugitives

From: Alfredo Mendoza
Sent: Thursday, August 29, 2024 2:09 PM
To: Conor Braman
Cc: LeAnn M. Usoff/FTEHSF
Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

In reviewing the working draft permit comments submitted on July 30, 2024, there are additional items that need resolution:

- In order to add emission unit FTPP2G111 that was submitted on form OP-UA4 to the permit, it is required to be listed on form OP-SUMR in order to provide the unit name description and NSR Authorization. Please submit form OP-SUMR with this emission unit added.
- In response to the comment on emission unit PP2-UNIT, I did not see an updated OP-UA28 to address the difference in the Weight Percent TOC unit attribute for SOP Index 60DDD-3a and 60DDD-3b. The comments indicated that one should be 0.1+, however it was listed as 0.1- for both indexes in the renewal application. Please submit an updated OP-UA28, page 4 to correct the unit attributes for these SOP Index Numbers for emission unit PP2-UNIT.
- On the OP-REQ1 page 83, questions XI.L.3 and 4 related to CAM were both marked NO. Since CAM was submitted in a previous application, question XI.L.3 must be marked Yes and questions XI.L.5 through XI.L.12 must be completed. Please resubmit pages 83 and 84 relating to CAM. The updated CAM responses will reinstate the CAM Special Terms and Conditions in the draft permit.
- Regarding the comment for the 40 CFR Part 60, Subpart DDD fugitive requirements for emission units PP1-FUG and PP2-FUG, the requirements for the valves in gas/vapor and light liquid were omitted from the permit due to the 2.0% attribute on page 48 of the OP-UA12 being left blank. The 2.0% unit attribute would be required to be answered Yes for electing to comply with an allowable percentage of valves leaking of equal to or less than 2.0 percent as stated in 40 CFR §60.483-1(a). This will reinstate the line item in the Applicable Requirement Summary for the §60.562-2(b) compliance option that references 60.483-1 and 60.483-2. Please note that only one row of equipment leak requirements will be generated for the valves in gas/vapor and light liquid service and not two like the previous permit as you either comply with the 2.0% leak option for valves or not. Please submit form OP-UA12 page 48 to update the valves in gas/vapor or light liquid service attributes for emission units PP1-FUG and PP2-FUG as appropriate.

Please submit the requested forms via email by **September 6, 2024**. After I receive the updated forms, I will send an updated draft permit that incorporates the requested changes (including the periodic monitoring changes originally submitted) for a final review before I request certification of the previous submitted updates. You may either certify the updated forms that have been submitted via email through STEERS or submit a hard copy OP-CRO1 to certify the application updates.

If you have any questions on the above items, please let me know.

Thanks,

Alfredo Mendoza, P.E.
Technical Specialist
TCEQ Air Permits Division
Operating Permits Section
ph: (512) 239-1335
alfredo.mendoza@tceq.texas.gov

How are we doing? Fill out our online customer satisfaction survey at
https://www.tceq.texas.gov/customersurvey

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: Wednesday, August 28, 2024 4:24 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: New Permit Reviewer - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Conor Braman,

Please note that the new POC for this project going forward will be Mr. Alfredo Mendoza (alfredo.mendoza@tceq.texas.gov). I have also copied Mr. Mendoza on this email thread to facilitate the transition. Please address all future correspondence to him.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Tuesday, July 30, 2024 7:42 AM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: RE: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Paige

Good morning. Please find attached to this email comments on the WDP, updated MNSR summary tables, and an OP-UA4. While reviewing the permit we realized one loading operation was not accounted for; it's an operation that happens 2 or 3 times per year. So it meets the low volume exemptions in 115 and Group 2 MACT FFFF.

Please let us know if you need anything else, and have a great day!

Conor

Conor Braman

(he/him/his)

Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: July 15, 2024 11:20 AM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

> You don't often get email from paige.cartwright@tceq.texas.gov. Learn why this is important

Mr. Braman,

I have completed the Working Draft Permit (WDP) for your Federal Operating Permit (FOP) renewal permit application of permit no. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant.

Please review the attached WDP and submit any comments at your earliest convenience, but no later than **July 29, 2024**. Let me know if you have any questions or would like to discuss adjusting the deadline.

In addition, the following issues **must** be addressed before I can proceed with the permit review, Could you:

- Please review the two attached Major NSR Summary Tables for 19200/PSDTX1237 and 91780/PSDTX1240 and update as necessary so that they can be appropriately integrated in the draft permit.
- Review the comment within the attached WDP regarding the duplicate operating scenario. Please specify which index no. you would like to use between the two highlighted within the WDP document (60DDD-3a or 60DDD-3b).

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. 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 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 Authorization Package.

Please feel free to contact me if you have any questions or concerns regarding your application.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Friday, June 28, 2024 8:57 AM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: RE: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Paige

Good morning. Please find attached the updated documents as requested. Please let us know if you have any questions or need anything else.

Conor

Conor Braman
(he/him/his)
Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: June 25, 2024 3:05 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

Upon my initial review of the submitted renewal application for Formosa Plastics Corporation, Texas/Polypropylene Plant, the following issue(s) would need to be addressed before I can proceed with the permit review process, Could you please:

- Submit OP-MON forms for units D-107, D-108, and B-620 regarding regulation 30 TAC Chapter 115 Water Separation for index no. R5131-1.
- Submit a revised OP-UA4 for units B-615, B810, and B820 since the facility is located in a covered attainment county as defined in 30 TAC § 115.10.
- Submit a revised OP-UA60 for unit ID nos. PP2-3F405 and PP2-3F402 regarding regulation 40 CFR Part 63, Subpart FFFF.

Please submit these forms at your earliest convenience but no later than **July 3, 2024.**

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Sent: Monday, June 10, 2024 12:06 PM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: Conor Braman <cbraman@slrconsulting.com>
Subject: RE: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mrs. Paige Cartwright,

Conor Braman is our 3rd party environmental consultant for this permitting project. Please address all correspondence pertaining to this permit application, including any updates to myself and Conor at cbraman@slrconsulting.com.

I look forward to working on this project with you.

Thank you,

LeAnn Usoff
Air Permitting Assistant Manager
Environmental Dept.
Formosa Plastics Corporation, Texas
Phone: 361-987-7463 Mobile: 361-920-9401

Formosa Plastics

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: Monday, June 10, 2024 10:57 AM
To: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

---

Mrs. Leann Usoff:

I have been recently assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant. This application has been assigned Project No. 36645. Please address all correspondence pertaining to this permit application, including any updates, to me via email and use both the Permit and Project reference numbers above to facilitate tracking.

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 the OP-PBRSUP and OP-REQ1 form instructions.

Please review the "SOP Technical Review Fact Sheet". 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.

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.

Sincerely,

Paige Cartwright
Environmental Specialist I
Air Permits Division
Operating Permits Team 2
Texas Commission on Environmental Quality
Phone: (512) 239 -1209
Paige.Cartwright@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

---

From: Paige Cartwright
Sent: Wednesday, August 28, 2024 4:24 PM
To: Conor Braman
Cc: LeAnn M. Usoff/FTEHSF; Alfredo Mendoza
Subject: New Permit Reviewer - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Conor Braman,

Please note that the new POC for this project going forward will be Mr. Alfredo Mendoza (alfredo.mendoza@tceq.texas.gov). I have also copied Mr. Mendoza on this email thread to facilitate the transition. Please address all future correspondence to him.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

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Please let us know if you need anything else, and have a great day!

Conor

Conor Braman

(he/him/his)
Senior Engineer - Air Quality

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E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

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(he/him/his)
Senior Engineer - Air Quality

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Please submit these forms at your earliest convenience but no later than **July 3, 2024.**

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

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Sent: Monday, June 10, 2024 12:06 PM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: Conor Braman <cbraman@slrconsulting.com>
Subject: RE: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

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Conor Braman is our 3rd party environmental consultant for this permitting project. Please address all correspondence pertaining to this permit application, including any updates to myself and Conor at cbraman@slrconsulting.com.

I look forward to working on this project with you.

Thank you,

LeAnn Usoff
Air Permitting Assistant Manager

Environmental Dept.
Formosa Plastics Corporation, Texas
Phone: 361-987-7463 Mobile: 361-920-9401

Formosa Plastics

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Sent: Monday, June 10, 2024 10:57 AM
To: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mrs. Leann Usoff:

I have been recently assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant. This application has been assigned Project No. 36645. Please address all correspondence pertaining to this permit application, including any updates, to me via email and use both the Permit and Project reference numbers above to facilitate tracking.

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 the OP-PBRSUP and OP-REQ1 form instructions.

Please review the "SOP Technical Review Fact Sheet". 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.

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.

Sincerely,

Paige Cartwright
Environmental Specialist I
Air Permits Division
Operating Permits Team 2
Texas Commission on Environmental Quality
Phone: (512) 239 -1209
Paige.Cartwright@tceq.texas.gov

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FEDERAL OPERATING PERMIT

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

AUTHORIZING THE OPERATION OF
Formosa Point Comfort Plant
Polypropylene Plant
Petrochemical Manufacturing

LOCATED AT
Calhoun 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: O1956 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart FFFF as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.890 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive

ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity

requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

7. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)

B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)

C. Title 40 CFR § 61.342(g) (relating to Standards: General)

D. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)

E. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)

F. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

G. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

H. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)

I. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

10. For miscellaneous chemical process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart FFFF, the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) as specified in § 63.2485(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

11. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

12. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated May 14, 2024 in the application for project 36645), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

14. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

16. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

17. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

18. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

19. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Alternative Requirements

20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

22. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1018	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1018	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1018	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
1018	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
1067	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1067	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1067	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
1067	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
1F-405	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1F-405	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
2F-405	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
2F-405	CHEMICAL MANUFACTURING	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	PROCESS				
3C-352A/B	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-101	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-102	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-103	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-109	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
B-231	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-242	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-292A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-292B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-406	EMISSION	N/A	R5121-1	30 TAC Chapter 115, Vent	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Gas Controls	
B-620	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
B615	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
B810	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
B820	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
C-352A/B	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-101	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-102	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-103	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-106	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-107	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
D-107	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-108	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
D-108	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-407	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
D-910	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
F-343	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-346	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-402	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-443	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-446	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-543	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-546	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-743A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-746	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PO-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP1-300	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-400	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-500	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PP1-700	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP1-FUG	FUGITIVE EMISSION UNITS	N/A	60DDD-1	40 CFR Part 60, Subpart DDD	No changing attributes.
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-2	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater., Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3F	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3aF	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).,

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3bF	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-3D407	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-3F402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-3F402	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-3F405	EMISSION	N/A	R5121-1	30 TAC Chapter 115, Vent	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Gas Controls	
PP2-3F405	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP2-CT3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP2-FUG	FUGITIVE EMISSION UNITS	N/A	60DDD-1	40 CFR Part 60, Subpart DDD	No changing attributes.
PP2-FUG	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-T1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-T2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-T3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-2	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Control of Continuous Emissions = All continuous emissions are

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3a	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3b	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PRU UNIT	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1018	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
1018	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(c)(1) § 115.121(c)(1) § 115.122(c)(1)(B) § 60.18	For all persons in Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties, any vent gas streams affected by §115.121(c)(1) must be controlled properly using one of the control requirements specified in §115.122(c)(1)(A)-(C).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
1018	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
1018	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
1067	CD	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
1067	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(c)(1) § 115.121(c)(1) § 115.122(c)(1)(B) § 60.18	For all persons in Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties, any vent gas streams affected by §115.121(c)(1) must be controlled properly using one of the control requirements specified in §115.122(c)(1)(A)-(C).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
1067	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.11(b)(6)(ii) § 63.11(b)(7)(i)	consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.			
1067	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
1F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
1F-405	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(B)	A vent gas stream with a	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(B)	§ 115.126(2) § 115.126(3) § 115.126(3)(B)	
1F-405	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
2F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C)	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						less than 30,000 ppmv is exempt from § 115.121(c)(1).			
2F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
2F-405	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3C-352A/B	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-101	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-102	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3D-103	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-109	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
B-231	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-231	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-242	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-242	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(B)	A vent gas stream with a	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(B)	§ 115.126(2) § 115.126(3) § 115.126(3)(B)	
B-292A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-292A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-292B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-292B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a continuous 24-hour period is exempt from § 115.121(c)(1).			
B-406	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-406	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-620	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.	** See Periodic Monitoring Summary	None	None
B615	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
B810	EU	R5211-1	VOC	30 TAC Chapter	§ 115.217(b)(2)	All land-based loading and	§ 115.214(b)(1)(A)	§ 115.216	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Loading and Unloading of VOC	§ 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216(2) § 115.216(3)(B)	
B820	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
C-352A/B	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-101	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-102	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.2525(j)	§ 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-103	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-106	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-107	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which	** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						satisfies the provisions of §115.131(c) of this title.			
D-107	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-108	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.	** See Periodic Monitoring Summary	None	None
D-108	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.2525(f) § 63.2525(j)	§ 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
D-407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-910	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
F-343	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-343	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-346	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-346	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-402	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
F-443	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-443	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-446	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-446	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-543	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-543	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-546	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-546	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-743A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-743A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-746	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-746	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PO-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP1-300	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP1-300	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-400	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(C)	A vent gas stream having a	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(C)	§ 115.126(2) § 115.126(3) § 115.126(3)(C)	
PP1-400	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-500	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP1-500	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-700	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from §	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						115.121(c)(1).			
PP1-700	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-5(c) § 60.486(k) § 60.562-2(d) § 60.562-2(e)				
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b)	Comply with the requirements in as stated in §60.482-4 for pressure relief	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	devices in gas/vapor service.	[G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.562-2(e)	§ 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-UNIT	EU	60DDD-2	VOC/TOC	40 CFR Part 60,	§ 60.562-1(a)(2)	Each vent stream that emits	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Subpart DDD		intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.			
PP1-UNIT	PRO	60DDD-3F	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP1-UNIT	PRO	60DDD-3F	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	PRO	60DDD-3aF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	PRO	60DDD-3aF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).			
PP1-UNIT	PRO	60DDD-3bF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP1-UNIT	PRO	60DDD-3bF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-3D407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-3D407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-3F402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-3F402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Controls		VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	§ 115.126(3)(B)	§ 115.126(3) § 115.126(3)(B)	
PP2-3F402	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-3F405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C)	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.			
PP2-3F405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-3F405	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(7) § 63.2520(e)(9)
PP2-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP2-CT3	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)			§ 60.486(j) § 60.562-2(e)	
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	63FFFF-1	112(B)	40 CFR Part 63,	§ 63.2440(a)	This subpart applies to each	§ 63.2445(d)	§ 63.2525	§ 63.2435(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart FFFF	§ 63.2450(a) § 63.2450(l)	miscellaneous organic chemical manufacturing affected source.		§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-T1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a continuous 24-hour period is exempt from § 115.121(c)(1).			
PP2-T2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-T3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PP2-UNIT	PRO	60DDD-2	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-2	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3a	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).			§ 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3a	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3b	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3b	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PRU UNIT	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: 1018	
Control Device ID No.: 1018	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: No pilot flame	
CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. Note: This CAM summary applies to the process vents at Polypropylene Plant routing to Flare 1018 (EPN 1018) and not the flare itself. Since Flare 1018 is located at the Olefins Plant at Formosa Plastics, the monitoring requirements in this CAM summary are listed in this permit as a reference only. Actual monitoring of the pilot flame will be conducted in the Olefins Plant.	

CAM Summary

Unit/Group/Process Information	
ID No.: 1067	
Control Device ID No.: 1067	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: No pilot flame	
CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. This CAM summary applies to the process vents at Polypropylene Plant routing to Flare 1018 (EPN 1018) and not the flare itself. Since Flare 1018 is located at the Olefins Plant at Formosa Plastics, the monitoring requirements in this CAM summary are listed in this permit as a reference only. Actual monitoring of the pilot flame will be conducted in the Olefins Plant.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B-620	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-107	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-108	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PO-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP1-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissionsIf the result of the Test Method 9 is opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP2-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP2-CT3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Permit Shield

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
3D-101	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-101	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-102	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-102	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons
3D-103	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-103	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-109	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-109	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-109	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
B-620	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-101	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-101	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
D-102	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-102	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons
D-103	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-103	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
D-106	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-106	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.

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
D-107	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-108	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-910	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
PO-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP1-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP1-FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site is not located in one of the applicable areas.
PP1-FUG	N/A	40 CFR Part 61, Subpart F	This site does not produce ethylene dichloride, vinyl chloride, or one or more polymers containing any fraction of polymerized vinyl chloride.
PP1-FUG	N/A	40 CFR Part 61, Subpart J	This site does not contain any sources in benzene service.
PP1-FUG	N/A	40 CFR Part 61, Subpart V	No sources are operated in VHAP services.
PP1-FUG	N/A	40 CFR Part 63, Subpart H	This site is not a chemical manufacturing process unit that manufactures as a primary product one or more of the chemicals listed in 40 CFR 63, Subpart F.

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
PP1-FUG	N/A	40 CFR Part 63, Subpart I	This site does not produce any of the applicable chemicals listed in 63.190.
PP2-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994
PP2-CT3	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP2-FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site is not located in one of the areas.
PP2-FUG	N/A	40 CFR Part 61, Subpart F	The site does not produce ethylene dichloride, vinyl chloride, or one or more polymers containing any fraction of polymerized vinyl chloride.
PP2-FUG	N/A	40 CFR Part 61, Subpart J	The site does not contain any source in benzene service.
PP2-FUG	N/A	40 CFR Part 61, Subpart V	No sources are operated in VHAP service.
PP2-FUG	N/A	40 CFR Part 63, Subpart H	The site is not a chemical manufacturing process unit that manufactures as a primary product one or more of the chemicals listed in 40 CFR 63 Subpart F.
PP2-FUG	N/A	40 CFR Part 63, Subpart I	The site does not produce any of the applicable chemicals listed in 63.190.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1237	Issuance Date: 04/01/2021
PSD Permit No.: PSDTX1240	Issuance Date: 09/23/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 19200	Issuance Date: 04/01/2021
Authorization No.: 91780	Issuance Date: 09/23/2019
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.393	Version No./Date: 09/04/2000
Number: 106.395	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

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**
1018	OLEFINS 1 ELEVATED FLARE	19200, 91780, PSDTX1237, PSDTX1240
1067	OLEFINS 2 ELEVATED FLARE	19200, 91780, PSDTX1237, PSDTX1240
1F-405	VENT BAG FILTER TRAIN NO. 1	19200, 91780, PSDTX1237, PSDTX1240
2F-405	VENT BAG FILTER TRAIN NO. 2	19200, 91780, PSDTX1237, PSDTX1240
3C-352A/B	DRYING COLUMN	91780, PSDTX1240
3D-101	CATALYST UNLOADING DRUM	91780, PSDTX1240
3D-102	CATALYST FEED DRUM	91780, PSDTX1240
3D-103	CATALYST FEED DRUM	91780, PSDTX1240
3D-109	CATALYST DRUM	91780, PSDTX1240
B-231	CO-CATALYST AREA DIP POT	19200, PSDTX1237
B-242	CO-CATALYST AREA DIP POT	19200, PSDTX1237
B-292A	PEROXIDE DIP POT	19200, PSDTX1237
B-292B	PEROXIDE DIP POT	19200, PSDTX1237
B-406	CATALYST SLURRY PREP SYSTEM DIP POT	19200, PSDTX1237
B-620	BOTTOM PHASE SEPARATOR	19200, PSDTX1237
B615	IPA UNLOADING	19200, PSDTX1237
B810	HEPTANE UNLOADING	19200, PSDTX1237
B820	IPA/HEPTANE UNLOADING	19200, PSDTX1237
C-352A/B	DRYING COLUMN	19200, PSDTX1237
D-101	CATALYST UNLOADING DRUM	19200, PSDTX1237
D-102	CATALYST FEED DRUM	19200, PSDTX1237

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**
D-103	CATALYST FEED DRUM	19200, PSDTX1237
D-106	HEXANE HOLD DRUM	19200, PSDTX1237
D-107	NEUTRALIZATION DRUM	19200, PSDTX1237
D-108	SETTLE DRUM	19200, PSDTX1237
D-407	PEROXIDE DRUM	19200, 91780, PSDTX1237, PSDTX1240
D-910	HEXANE STORAGE TANK	19200, PSDTX1237
F-343	POWDER VENT GAS FILTER	19200, PSDTX1237
F-346	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-402	MASTERBATCH VENT BAG FILTER	19200, 91780, PSDTX1237, PSDTX1240
F-443	POWDER VENT GAS FILTER	19200, PSDTX1237
F-446	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-543	POWDER VENT GAS FILTER	19200, PSDTX1237
F-546	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-743A	POWDER VENT BAG FILTER	19200, PSDTX1237
F-746	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
PO-CT	COOLING TOWER	19200, PSDTX1237
PP1-300	DOWNSTREAM PELLET HANDLING TRAIN NO.1	19200, PSDTX1237
PP1-400	DOWNSTREAM PELLET HANDLING TRAIN NO.2	19200, PSDTX1237
PP1-500	DPWNSTREAM PELLET HANDLING TRAIN NO.3	19200, PSDTX1237
PP1-700	DOWNSTREAM PELLET HANDLING TRAIN NO.4	19200, PSDTX1237
PP1-CT	COOLING TOWER	19200, PSDTX1237

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**
PP1-FUG	FUGITIVES, PP-1 UNIT	19200, PSDTX1237
PP1-UNIT	POLYPROPYLENE 1 UNIT	19200, PSDTX1237
PP2-3D407	PEROXIDE DIP POT	91780, PSDTX1240
PP2-3F402	MASTERBATCH VENT BAG FILTER	91780, PSDTX1240
PP2-3F405	VENT BAG FILTER	91780, PSDTX1240
PP2-CT	COOLING TOWER	91780, PSDTX1240
PP2-CT3	PP2 TRAIN 3 COOLING TOWER	91780, PSDTX1240
PP2-FUG	FUGITIVES, PP-2 UNIT	19200, 91780, PSDTX1237, PSDTX1240
PP2-T1	DOWNSTREAM PELLET HANDLING TRAIN NO.1	19200, 91780, PSDTX1237, PSDTX1240
PP2-T2	DOWNSTREAM PELLET HANDLING TRAIN NO.2	19200, 91780, PSDTX1237, PSDTX1240
PP2-T3	TRAIN 3 - DOWNSTREAM PELLET HANDLING	91780, PSDTX1240
PP2-UNIT	POLYPROPYLENE 2 UNIT	19200, PSDTX1237
PRU UNIT	PROPYLENE RECOVERY UNIT	19200, PSDTX1237

**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.

Alternative Requirement

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 14, 2016

MR RICK CRABTREE
ASSISTANT GENERAL MANAGER
FORMOSA PLASTICS CORPORATION TEXAS
PO BOX 700
POINT COMFORT TX 77978-0700

Re: Alternative Method of Compliance (AMOC) No. 66
Alternative Monitoring For Cooling Towers
Formosa Point Comfort Plant
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017
Associated Permit Numbers: 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, PSDTX760M9, O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421

Dear Mr. Crabtree:

This correspondence is in response to Formosa Plastics Corporation, Texas's (Formosa's) request for Alternative Monitoring for all cooling towers (CT) at the Formosa Point Comfort Plant. The AMOC is used to comply with requirements for sampling and analysis of VOCs in cooling tower feed water and makeup water.

We understand that Formosa is requesting clarification and confirmation of the alternative VOC sampling procedure for all authorized CT at the site installed on similar product processes (see Attachment 1). This alternative method was previously approved for Formosa on December 2, 1992, January 11, 1996, and August 1997.

The alternative VOC sampling (referenced in historical correspondence as FPC TX VOC IN WATER AND WASTEWATER) is equivalent to Test Method 8020A. The method is detailed in Attachment 2 and should provide representative concentrations of non-methane hydrocarbons to comply with the above-referenced permits. This alternative method does not apply to any requirements that may in 40 Code of Federal Regulations Part 60, New Source Performance Standards (NSPS), 40 Code of Federal Regulations Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP), or 40 Code of Federal Regulations Part 63, Maximum Achievable Control Technology (MACT) Standards for Hazardous Air Pollutants.

Re: AMOC #66

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, and PSDTX760M9. To ensure effective and consistent enforceability, we request that Formosa incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval, if not already included.

This approval may also change applicable requirements for the site, which are identified in the site operating permits (SOP) O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

cc: Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 255806

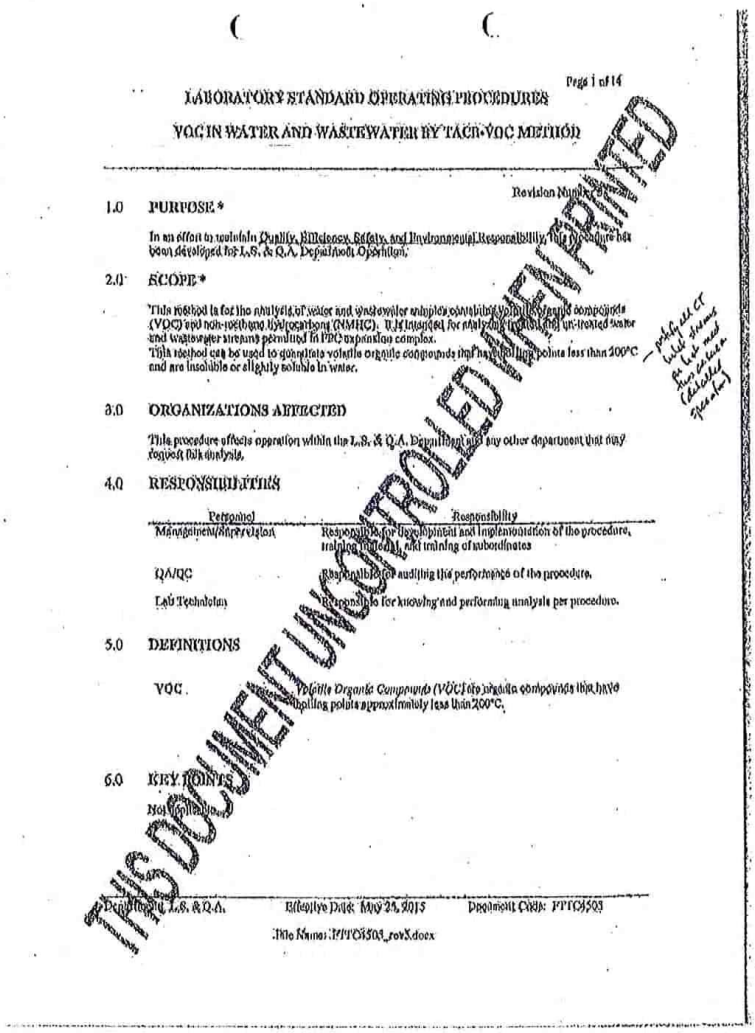
Attachment 1 - Summary of Cooling Towers and Authorizations				
Permit Nos.	**Type of Process**	**Plant**	**EPNs**	**Previous Approval**
19166, HAP10, PSDTX760M9, O1951	Inorganic	Utilities Plant	Not identified on MAERT	12/2/1992
19167, O1953	Inorganic	Caustic Chlorine Plant	Not identified on MAERT (shares with EDC-CT)	1/11/1996
76044, PSDTX1053, O3421	Inorganic	Pet Coke / Coal Fired Generation	CT-1 through CT-12	N/A
19168, PSDTX1226, O1958	Organic Olefins	Olefins I Olefins II GHU PPU FRACII	1010 1064 8801U FRACII-CT	N/A
107518, PSDTX1383 SOP PENDING	Organic Olefins	Olefins III PDII	OL3-CTWR PDII-CWTR	N/A
19201, PSDTX1232 O1957	Organic Polyolefins	HDPE I	PO-CT	1/11/1996
40157, PSDTX1222 O1957	Organic Polyolefins	HDPE II	PP2-CT	N/A
20203, PSDTX1224 O1957	Organic Polyolefins	LLDPE	LL-CT	12/2/1992
107520, PSDTX1384 SOP PENDING	Organic Polyolefins	LDPE	LD-CT	N/A
19200, PSDTX1237, O1956	Organic Polyolefins	Polypropylene I Plant (PP I)	PO-CT PP1-CT	1/11/1996
91780, PSDTX1240 O1956	Organic Polyolefins	PP II	PP20CT	N/A
127838 SOP PENDING	Organic Polyolefins	HDPE 3	PE3-12	N/A
19199, PSDTX1238 O1953	Organic Other	Ethylene Dichloride (EDC)	2C-C1 2C-C2 EDC-CT	
7699, PSDTX226M7 O1954	Organic Other	EDC Cracking, VCM, PVC	999 VW-C02 VW-C11	12/2/1992
19198, PSDTX1234 O1484	Organic Other	Ethylene Glycol (EG)	EG-CT	8/1997
128752 SOP PENDING	Organic Other	EG 2	EG2-CT	N/A
76305, PSDTX1058 O3409	Organic Other	Specialty PVC	CT-01	N/A

Re: AMOC #66

Mr. Wilson
June 11, 2015

Attachment 2

VOC in Water and Wastewater by TACB-VOC Method Procedure



Page 1 of 14

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACR-VOC METHOD

Revision Number: 2.0

1.0 PURPOSE *

In an effort to maintain Quality, Efficiency, Safety, and Environmental Responsibility, this procedure has been developed for L.S. & Q.A. Department Operation.

2.0 SCOPE *

This method is for the analysis of water and wastewater samples containing volatile organic compounds (VOC) and non-methane hydrocarbons (NMHC). It is intended for analyzing treated, but un-treated water and wastewater streams generated in PDC expansion complex.
This method can be used to quantitate volatile organic compounds that have boiling points less than 200°C and are insoluble or slightly soluble in water.

3.0 ORGANIZATIONS AFFECTED

This procedure affects operation within the L.S. & Q.A. Department and any other department that may request this analysis.

4.0 RESPONSIBILITIES

Personnel	Responsibility
Management/Supervision	Responsible for Development and Implementation of the procedure, training material, and training of subordinates
QA/QC	Responsible for auditing the performance of the procedure.
Lab Technician	Responsible for knowing and performing analysis per procedure.

5.0 DEFINITIONS

VOC - *Volatile Organic Compounds (VOC)* are volatile compounds that have boiling points approximately less than 200°C.

6.0 KEY POINTS

Not Applicable

Department: L.S. & Q.A. Effective Date: May 24, 2015 Document Code: PTTQ5503

File Name: PTTQ5503_rev2.docx

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: Seven

7.0 POLICIES *

This procedure has been developed to insure adherence to FPC Quality, Environmental, Health and Safety Policies, FPC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

Volatile organic compounds (VOC) are extracted from aliquots by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual compounds are detected using a flame ionization detector. The resultant peaks are summed and quantitated against external calibration curve constructed using benzene as a standard.

GC FID

Interferences

Major contaminate peaks are volatile materials in the laboratory and impurities in the inert purging gas carriage. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a useful aid in confirming possible contamination of sample.

Safety Considerations

The use of proper gloves, safety glasses, and PRC should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water samples are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. Two vials per sampling event must be collected at a minimum per sample point. The containers must be filled in such manner that no air bubbles pass through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis. The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (EMSL-Cl, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < ¼ in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 3

7.0 POLICIES *

This procedure has been developed to insure adherence to PEC Quality, Environmental, Health and Safety Policies, PEC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual compounds are detected using a flame ionization detector. The resultant peaks are summed and quantitated against external calibration curve constructed using benzene as a standard.

GC FID

Interferences

Major contaminate peaks are volatile materials in the laboratory and impurities in the inert purging gas carrier gas. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a check for any possible contamination of sample.

Safety Considerations

The use of proper glove, safety glasses, and PPE should be exercised when using reagents. Use caution when working with glassware. Wipe any spills, clean area thoroughly and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water samples are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. Two vials per sampling event until be collected at a minimum per sample point. The septum must be filled in such manner as to prevent any gas through the sample as the container is being filled. If bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (UMSL-CI, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < ¼ in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

QC Requirements

QC	DESCRIPTION	FREQUENCY	CRITERIA	CORRECTIVE ACTION
MB	Method blank; Organic-free reagent water	1/10 sample	<20 ppb Which is the amount of the lowest std.	Investigate system contamination; correct the problem and reanalyze the samples.
ICV	Initial Calibration verification, Benzene: 100 ppb.	1/10 sample	20% deviation from actual value. (80 ppb-120 ppb)	Check instrument malfunction. Correct the instrument problem and reanalyze. Perform initial calibration after the third failure.

Calculations

Deviation(%)

$$D = \frac{|X - T|}{T} \times 100$$

Where, D = percent deviation
X = the observed value for the measurement
T = "actual" value for the measurement

Precision and Accuracy

None

Reporting

1. Analytical reporting limit is 20 ppb (ug/L).
2. All verified results must be entered in LIMS and/or the appropriate non-routine log sheet upon completion.
3. For the purpose of reporting to applicable agencies, preliminary results from LIMS may be used to prevent greater than 48hr delay in reporting time.

December 14, 2016
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Mr. Rick Crabtree

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number [illegible]

9.0 PROCEDURES*

9.1 *Standard Preparation*

9.1.2 Calibration Standards

Fill 40 mL VOA vials with reagent water, taking care not to trap any air in the vial. Add the Calibration Standard (AS-10004) to the vial using a clean microsyringe [illegible] following the to prepare the calibration standards:

	Stock solution
Blank	0.0 uL
20 ppb	0.8 uL
50 ppb	2.0 uL
100 ppb	4.0 uL
250 ppb	10.0 uL
500 ppb	20.0 uL
1000 ppb	40.0 uL

9.1.3 Initial Calibration Verification Standard: Upon opening the certified benzene standard (e.g. M502-01-10X), transfer to a 1 mL reaction vial and cap with Mininert valve. This standard may be good up to 6 months, but should be replaced if ICV fails. Fill a 40 mL VOA vial with Reagent water, taking care not to trap any air in the vial. Add 2.0 uL to the vial using a clean microsyringe for a 100 ppb std.

9.1.4 All standard preparation activities must be logged in the standards logbook.

9.2 *Instrument Setup*

9.2.1 GC/FID is configured as follows:

Inlet
Mode: split — Gas: Helium
Heater: 250 °C
Pressure: [illegible]
Total Flow: 102 mL/min
Split ratio: [illegible]
Split Flow: [illegible] mL/min

Column
Mode: [illegible] — Outlet Pressure
Pressure: 8.0 psi
Flow: 10.0 mL/min
Average Velocity: 36 cm/sec

Department: Lab & Q.A. Effective Date: May 25, 2015 Document Code: [illegible]

File Name: [illegible]

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Oven
Setpoint: 30 °C Oven Maximum: 300 °C
Equilibration: 0.5 min

Oven Ramp	°C/min	Next °C	Hold min	Run Time
Initial		50	2.00	2.00
Ramp 1	20.00	250	9.00	16.00
Post Run		50	0	16.00

Detectors
Heater: 280 °C
H2 flow 40.0 mL/min
Air Flow 450 ml/min
Makeup Flow (He): 25.0 mL/min
Flame: On

9.2.2 Purge-and-Trap (OI 4560):

Purge flow	35
Purge	11
Desorb	2
Bake	10
Transfer line	150
Valve	100
Sample size	5
Drypurge	1

9.3 *Re- Calibration*

9.3.1 Recalibration is recommended once a year or when new ICV fails 20% recovery. Prior to recalibration, GC and sample trap is baked out. Raise the GC oven temp to 250°C and bake for at least 30 min. It is also necessary to cycle the purge-and-trap through one bake cycle to ensure that there are no contaminates present in the trap. After 30 min lower GC temp to 50°C.

9.3.2 Prepare the calibration standards as outlined in 9.1.2 just prior to analysis. Load the standard vials in the correct slots of the autosampler and prepare following re-calibration sequence in the Method and Run control window of the Chemstation Software. Start the sequence by following steps from 9.4.4 to 9.4.9.

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Re-calibration sequence:

Line	Vial	Sample Name	Method Name	Inj/Vial	Sample Type	Cal Level	Update RF	Update RT
1	1	MH (Blank)	TACB-VOC	1	Sample			
2	1	20 ppb	TACB-VOC	1	Calibration	1	Replace	No Update
3	1	50 ppb	TACB-VOC	1	Calibration	2	Replace	No Update
4	1	100 ppb	TACB-VOC	1	Calibration	3	Replace	Replace
5	1	250 ppb	TACB-VOC	1	Calibration	4	Replace	No Update
6	1	500 ppb	TACB-VOC	1	Calibration	5	Replace	No Update
6	1	1000 ppb	TACB-VOC	1	Calibration	6	Replace	No Update

9.3.3 In the data analysis window of the Chemstation Software load the chromatogram for the blank (reagent water). Check to see that there are no contamination peaks. For some low level analysis, a small peak will show at the beginning of the run. This is due to pressure change on column when the sampler injects. If a calibration exists, the run [illegible] less than two times the lower analytical limit for the analysis.

9.3.4 Open the calibration file and check to see that there are only two significant peaks. The first peak will be the solvent or [illegible] peak, [illegible] should be sharp with minimum tailing. If there are more than two peaks, the calibration stock [illegible] water is contaminated. Correct this condition and begin the calibration again.

9.3.5 Once the calibration files are integrated, the results must be assembled in a linear calibration curve. Display the calibration [illegible] and check that the fit is at least $R^2 > 0.990$. Calculate a new area reject from the Calibration [illegible] number value x amount + 0" (the number value is the slope of the calibration curve. The amount is 20). Enter this new area into the integration events table in the value line for [illegible].

9.3.6 Calibration [illegible] uncalibrated peaks using compound [illegible]. The parameters should sum all [illegible] individual peak areas of chromatogram.

9.4 Sample Analysis

9.4.1 Composite sample: A volumetric composite is performed by combining the chilled (4°C) samples collected during a weeklong sampling event in a chilled jar that is surrounded by ice. This must be performed quickly to prevent loss of volatile component. The sample is mixed and transferred to 40mL VOA.

Note: The volumetric composite may not reflect the true emissions over a week long period due to fluctuations in flow rate of the stream to be tested.

9.4.2 For grab samples, directly use the vial that the sample was received in.

9.4.3 Load the samples in the autosampler racks noting their positions.

9.4.4 Bring up the window P & T 6890C (online): Method & Run control by Click Start / Programs/HP Chemstation /Instrument online If it is not opened on the computer monitor.

9.4.5 Click Sequence/Load Sequence to load an existing sequence.

9.4.6 Click Sequence/Sequence Parameter to change the Subdirectory to today's date.

9.4.7 Click Sequence/Sequence Table to edit the sequence at the data station. Enter the sample information in a sequence file located in the data station. Be sure that the vial positions correspond with vial locations and the correct method is chosen for the analysis

Following sequence table is an example:

Line	Vial	Sample Name	Method Name	# of Vial	Sample Type
1	1	MB (Blank)	TACB-VOC	1	Sample
2	1	ICV	TACB-VOC	1	Sample
3	1	OL1 CWR 2/5	TACB-VOC	1	Sample
4	1	OL1 CWR 2/5	TACB-VOC	1	Sample
5	1	OL2 CWR 2/08	TACB-VOC	1	Sample
6	1	OL2 CWR 2/08	TACB-VOC	1	Sample
7	1	OHU CWR 2/5	TACB-VOC	1	Sample
8	1	OHU CWR 2/5	TACB-VOC	1	Sample
9	1	T971 2/1-2/7	TACB-VOC	1	Sample
10	1	T971 2/1-2/7	TACB-VOC	1	Sample
11	1	CWTP 2/1-2/7	TACB-VOC	1	Sample
12	1	LLDPE CWR 2/5	TACB-VOC	1	Sample
13	1	MB	TACB-VOC	1	Sample
14	1	ICV	TACB-VOC	1	Sample
15	1	Spike	TACB-VOC	1	Sample
16	1	Sample	TACB-VOC	1	Sample

Note: Method blank and calibration verification need be run every 10 samples.

9.4.8 Press Run Sequence button. Now system is ready and waiting for Purge-and-trap device to start.

9.4.9 Purge-and-trap device preparation:
(1) Push SPL button on the front panel, the window will show: L551 start: end:
(2) Set the start and end positions that need match with actual sample position and run sequence, use arrow ON button and OFF button to switch between start and end, then use keypad to key in position number.

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Mr. Rick Crabtree

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TAGE-VOC METHOD

Revision Number [illegible]

(3) Press Rotor key, then press Clear button, then press Start button to run the sequence.

9.4.10 Once data have been generated, check that the chromatograms have been integrated correctly. Samples that are 10 % out of the analytical range for the determination must be diluted and re-analyzed using the appropriate methodology (See table 1).

10.0 TRAINING REQUIREMENTS

Personnel who perform this analysis will be required to complete the following training requirements:

Period	Requirement
Initial	SOP Training, Test, and Job Qualification
Annual Refresher and Procedure Revision	SOP Training and Test
Audit Finding	SOP Training, Test and Job Qualification

11.0 FLOWCHART

Not applicable

12.0 REFERENCES

1. "Guidelines for preparation of Policies, Guidelines, and Procedures," FTC TQM Manual.
2. Test Method for Evaluating Solid Waste (SW-846), "Determinative Chromatographic Separations," Revision 3, March 2003, Method 8000C.
3. Test Method for Evaluating Solid Waste (SW-846), "Purge and Trap for Aqueous Samples," Revision 3, May 2003, Method 5030C.
4. Test Method for Evaluating Solid Waste (SW-846), "Organic Analytes," Revision 4, February 2007, Chapter Four, Section 4.1 (for sample storage)

13.0 RECORD RETENTION PERIOD

Records produced using this procedure will be retained for a period of no less than 5 years.

14.0 ATTACHMENTS

Table 1
Figure 1: Chromatogram of Calibration Standard and Sample Run
Attachment 1: TNRCC Approval Letter

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Mr. Rick Crabtree

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 5

TABLE 1. Examples of sample dilution

Add the required amount of high concentration sample to a 50 mL volumetric flask, and then bring level to exact 50 mL with organic-free reagent water.

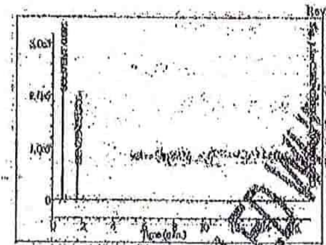
Dilution factor	High concentration sample	Total volume
30000	1.67 µL	50 mL
20000	2.5 µL	50 mL
10000	5 µL	50 mL
5000	10 µL	50 mL
4000	12.5 µL	50 mL
3000	16.7 µL	50 mL
2000	25 µL	50 mL
1000	50 µL	50 mL
500	100 µL	50 mL
400	125 µL	50 mL
300	167 µL	50 mL
200	250 µL	50 mL
100	500 µL	50 mL
90	556 µL	50 mL
80	625 µL	50 mL
70	714 µL	50 mL
60	833 µL	50 mL
50	1 ml	50 mL
40	1.25 ml	50 mL
30	1.67 mL	50 mL
20	2.5 mL	50 mL
10	5 ml	50 mL
5	10 mL	50 mL
2	25 mL	50 mL

Figure 1: Sample Chromatogram
Calibration Standard Run

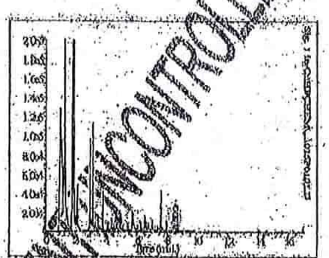
Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD



Sample Run



Attachment 1: TNRCC Approval Letter

The next page is a copy of the approval letter from the TNRCC.

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
7/30/2024	O1956	100218973

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
B615	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B810	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B820	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
FTPP2G111	R5211-2	OTHER	NONE		VOC2	LOAD	1.5+	20k-	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 16)
Federal Operating Permit Program
Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
7/29/2024	O1956	100218973

Unit ID No.	SOP Index No.	Emission Standard	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Negative Pressure	Bypass Line
FTPP2G111	63FFFF-3	NONE						

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Tuesday, July 30, 2024 7:42 AM
To: Paige Cartwright
Cc: LeAnn M. Usoff/FTEHSF
Subject: RE: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant
Attachments: 19200 and PSDTX1237 MNSRST.docx; 91780 and PSDTX1240 MNSRST.docx; Response Comments SOP - O1956 Formosa Plastics Corporation Texas (Renewal, 36645) Draft.docx; OP-UA4.pdf

Paige

Good morning. Please find attached to this email comments on the WDP, updated MNSR summary tables, and an OP-UA4. While reviewing the permit we realized one loading operation was not accounted for; it's an operation that happens 2 or 3 times per year. So it meets the low volume exemptions in 115 and Group 2 MACT FFFF.

Please let us know if you need anything else, and have a great day!

Conor

Conor Braman

(he/him/his)
Senior Engineer - Air Quality

M 512-417-7010
E cbraman@slrconsulting.com

SLR International Corporation
Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: July 15, 2024 11:20 AM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Working Draft Permit - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

I have completed the Working Draft Permit (WDP) for your Federal Operating Permit (FOP) renewal permit application of permit no. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant.

Please review the attached WDP and submit any comments at your earliest convenience, but no later than **July 29, 2024**. Let me know if you have any questions or would like to discuss adjusting the deadline.

In addition, the following issues **must** be addressed before I can proceed with the permit review, Could you:

- Please review the two attached Major NSR Summary Tables for 19200/PSDTX1237 and 91780/PSDTX1240 and update as necessary so that they can be appropriately integrated in the draft permit.
- Review the comment within the attached WDP regarding the duplicate operating scenario. Please specify which index no. you would like to use between the two highlighted within the WDP document (60DDD-3a or 60DDD-3b).

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. 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 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 Authorization Package.

Please feel free to contact me if you have any questions or concerns regarding your application.

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: Conor Braman <cbraman@slrconsulting.com>
Sent: Friday, June 28, 2024 8:57 AM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: RE: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Paige

Good morning. Please find attached the updated documents as requested. Please let us know if you have any questions or need anything else.

Conor

Conor Braman

(he/him/his)

Senior Engineer - Air Quality

M 512-417-7010

E cbraman@slrconsulting.com

SLR International Corporation

Austin, TX, United States 77377

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: June 25, 2024 3:05 PM
To: Conor Braman <cbraman@slrconsulting.com>
Cc: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: NOD - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mr. Braman,

Upon my initial review of the submitted renewal application for Formosa Plastics Corporation, Texas/Polypropylene Plant, the following issue(s) would need to be addressed before I can proceed with the permit review process, Could you please:

- Submit OP-MON forms for units D-107, D-108, and B-620 regarding regulation 30 TAC Chapter 115 Water Separation for index no. R5131-1.
- Submit a revised OP-UA4 for units B-615, B810, and B820 since the facility is located in a covered attainment county as defined in 30 TAC § 115.10.
- Submit a revised OP-UA60 for unit ID nos. PP2-3F405 and PP2-3F402 regarding regulation 40 CFR Part 63, Subpart FFFF.

Please submit these forms at your earliest convenience but no later than **July 3, 2024.**

Best,

Paige Cartwright
Operating Permits Section – Team 2
Air Permits Division
Texas Commission on Environmental Quality

From: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Sent: Monday, June 10, 2024 12:06 PM
To: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Cc: Conor Braman <cbraman@slrconsulting.com>
Subject: RE: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

Mrs. Paige Cartwright,

Conor Braman is our 3rd party environmental consultant for this permitting project. Please address all correspondence pertaining to this permit application, including any updates to myself and Conor at cbraman@slrconsulting.com.

I look forward to working on this project with you.

Thank you,

LeAnn Usoff
Air Permitting Assistant Manager
Environmental Dept.
Formosa Plastics Corporation, Texas
Phone: 361-987-7463 Mobile: 361-920-9401

Formosa Plastics

From: Paige Cartwright <Paige.Cartwright@tceq.texas.gov>
Sent: Monday, June 10, 2024 10:57 AM
To: LeAnn M. Usoff/FTEHSF <LeAnnU@ftpc.fpcusa.com>
Subject: Technical Review - FOP O1956/Project 36645 Formosa Plastics Corporation, Texas/Polypropylene Plant

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Mrs. Leann Usoff:

I have been recently assigned to the Federal Operating Permit (FOP) renewal permit application of Permit No. O1956 for Formosa Plastics Corporation, Texas/Polypropylene Plant. This application

has been assigned Project No. 36645. Please address all correspondence pertaining to this permit application, including any updates, to me via email and use both the Permit and Project reference numbers above to facilitate tracking.

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 the OP-PBRSUP and OP-REQ1 form instructions.

Please review the "SOP Technical Review Fact Sheet". 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.

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.

Sincerely,

Paige Cartwright
Environmental Specialist I
Air Permits Division
Operating Permits Team 2
Texas Commission on Environmental Quality
Phone: (512) 239 -1209
Paige.Cartwright@tceq.texas.gov

distribution of this communication, in whole or in part, is strictly prohibited. Unless explicitly stated, this communication does not constitute a contract offer, a contract amendment, or an acceptance of a contract offer. This communication also does not constitute consent to the use of sender's contact information for direct marketing purposes or for transfers of data to third parties.

FEDERAL OPERATING PERMIT

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

AUTHORIZING THE OPERATION OF
Formosa Point Comfort Plant
Polypropylene Plant
Petrochemical Manufacturing

LOCATED AT
Calhoun 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: O1956 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

   D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart FFFF as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.890 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive

ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity

requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

Commented [CB1]: To Formosa: Added reference to uncombined water vapor in visible emissions as requested (this is to account for cooling towers)

D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

Commented [CB2]: To TCEQ: The facility also loads and unloads VOC. Should there be a reference in this section to that (Subchapter C, Division 1)

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

7. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)

B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)

C. Title 40 CFR § 61.342(g) (relating to Standards: General)

D. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)

E. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)

F. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

G. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

H. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)

I. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

10. For miscellaneous chemical process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart FFFF, the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) as specified in § 63.2485(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

11. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Commented [CB3]: To Formosa: New Condition referencing that you have a certified PBR for this unit, as we requested.

Commented [CB4]: To TCEQ: The Permit has CAM requirements and previously the permit had a condition here referencing the CAM. Was this removed on purpose?

Additional Monitoring Requirements

12. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated May 14, 2024 in the application for project 36645), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

14. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

16. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

17. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

18. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

19. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Commented [CB5]: To Formosa: Removed reference to parts of ODS that do not apply to you, as requested.

Alternative Requirements

20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Commented [CB6]: To Formosa: New condition adding reference to the AMOC, seems to be new boiler plate.

Permit Location

21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

22. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1018	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1018	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1018	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
1018	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
1067	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1067	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1067	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
1067	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
1F-405	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1F-405	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
2F-405	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
2F-405	CHEMICAL MANUFACTURING	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	PROCESS				
3C-352A/B	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-101	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-102	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-103	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
3D-109	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
B-231	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-242	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-292A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-292B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B-406	EMISSION	N/A	R5121-1	30 TAC Chapter 115, Vent	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Gas Controls	
B-620	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
B615	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
B810	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
B820	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
C-352A/B	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-101	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-102	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-103	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-106	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
D-107	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
D-107	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-108	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
D-108	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
D-407	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
D-910	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
F-343	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-346	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-402	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-443	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-446	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-543	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-546	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-743A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
F-746	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PO-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP1-300	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-400	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-500	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Commented [CB7]: To Formosa: Adding Visible Emissions as requested to the cooling tower

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PP1-700	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP1-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP1-FUG	FUGITIVE EMISSION UNITS	N/A	60DDD-1	40 CFR Part 60, Subpart DDD	No changing attributes.
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-2	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater., Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3F	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3aF	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).,

Commented [CB8]: To Formosa: Adding reference to cooling tower visible emissions as requested

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3bF	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP1-UNIT	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-3D407	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-3F402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-3F402	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-3F405	EMISSION	N/A	R5121-1	30 TAC Chapter 115, Vent	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Gas Controls	
PP2-3F405	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-CT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP2-CT3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP2-FUG	FUGITIVE EMISSION UNITS	N/A	60DDD-1	40 CFR Part 60, Subpart DDD	No changing attributes.
PP2-FUG	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
PP2-T1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-T2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-T3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-2	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Control of Continuous Emissions = All continuous emissions are

Commented [CB9]: To Formosa: Adding reference to cooling tower visible emissions as requested

Commented [CB10]: To Formosa: Adding reference to cooling tower visible emissions as requested

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3a	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PP2-UNIT	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-3b	40 CFR Part 60, Subpart DDD	Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy)., Control of Continuous Emissions = Some of the continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).
PRU UNIT	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.

Commented [PC11]: Duplicate operating scenario, please specify which index no.

Commented [CB12R11]: Paige - There was a typo on the OP-UA form where one answer should have been 0.1+. We have updated the UP-UA form and attached it to this response

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1018	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
1018	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(c)(1) § 115.121(c)(1) § 115.122(c)(1)(B) § 60.18	For all persons in Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties, any vent gas streams affected by §115.121(c)(1) must be controlled properly using one of the control requirements specified in §115.122(c)(1)(A)-(C).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
1018	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
1018	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
1067	CD	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
1067	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(c)(1) § 115.121(c)(1) § 115.122(c)(1)(B) § 60.18	For all persons in Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties, any vent gas streams affected by §115.121(c)(1) must be controlled properly using one of the control requirements specified in §115.122(c)(1)(A)-(C).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
1067	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.11(b)(6)(ii) § 63.11(b)(7)(i)	consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.			
1067	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
1F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
1F-405	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(B)	A vent gas stream with a	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(B)	§ 115.126(2) § 115.126(3) § 115.126(3)(B)	
1F-405	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
2F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C)	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						less than 30,000 ppmv is exempt from § 115.121(c)(1).			
2F-405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
2F-405	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3C-352A/B	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-101	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-102	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3D-103	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
3D-109	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
B-231	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-231	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-242	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-242	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(B)	A vent gas stream with a	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(B)	§ 115.126(2) § 115.126(3) § 115.126(3)(B)	
B-292A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-292A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-292B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-292B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a continuous 24-hour period is exempt from § 115.121(c)(1).			
B-406	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
B-406	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
B-620	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.	** See Periodic Monitoring Summary	None	None
B615	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
B810	EU	R5211-1	VOC	30 TAC Chapter	§ 115.217(b)(2)	All land-based loading and	§ 115.214(b)(1)(A)	§ 115.216	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Loading and Unloading of VOC	§ 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216(2) § 115.216(3)(B)	
B820	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
C-352A/B	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-101	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-102	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.2525(j)	§ 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-103	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-106	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-107	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which	** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						satisfies the provisions of §115.131(c) of this title.			
D-107	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-108	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(c)(3) § 115.131(c)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.	** See Periodic Monitoring Summary	None	None
D-108	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.2525(f) § 63.2525(j)	§ 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
D-407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
D-407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D-910	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
F-343	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-343	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-346	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-346	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-402	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
F-443	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-443	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-446	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-446	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-543	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-543	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-546	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-546	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-743A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
F-743A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
F-746	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).			
F-746	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PO-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP1-300	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP1-300	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-400	EP	R5121-1	VOC	30 TAC Chapter	§ 115.127(c)(1)(C)	A vent gas stream having a	[G]§ 115.125	§ 115.126	None

Commented [CB13]: To Formosa: Adding reference to cooling tower visible emissions as requested

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.127(c)(1)	concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	§ 115.126(2) § 115.126(3)(C)	§ 115.126(2) § 115.126(3) § 115.126(3)(C)	
PP1-400	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-500	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP1-500	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-700	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from §	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						115.121(c)(1).			
PP1-700	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP1-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Commented [CB14]: To Formosa: Adding reference to cooling tower visible emissions as requested

Commented [CB15]: To TCEQ: Reference to Valve requirements was removed, the unit has valves in GV and LL service. Also reference to alternate requirements in 483-1 and 2 were removed and we think they should still be in as well.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-5(c) § 60.486(k) § 60.562-2(d) § 60.562-2(e)				
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b)	Comply with the requirements in as stated in §60.482-4 for pressure relief	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	devices in gas/vapor service.	[G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.562-2(e)	§ 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP1-UNIT	EU	60DDD-2	VOC/TOC	40 CFR Part 60,	§ 60.562-1(a)(2)	Each vent stream that emits	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Subpart DDD		intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.			
PP1-UNIT	PRO	60DDD-3F	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP1-UNIT	PRO	60DDD-3F	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	PRO	60DDD-3aF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	PRO	60DDD-3aF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).			
PP1-UNIT	PRO	60DDD-3bF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP1-UNIT	PRO	60DDD-3bF	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP1-UNIT	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-3D407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-3D407	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-3F402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-3F402	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Controls		VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	§ 115.126(3)(B)	§ 115.126(3) § 115.126(3)(B)	
PP2-3F402	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-3F405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C)	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.			
PP2-3F405	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-3F405	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(2) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(7) § 63.2520(e)(9)
PP2-CT	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP2-CT3	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Commented [CB16]: To Formosa: Adding reference to cooling tower visible emissions as requested

Commented [CB17]: To Formosa: Adding reference to cooling tower visible emissions as requested

Commented [CB18]: To TCEQ: Reference to Valve requirements was removed, the unit has valves in GV and LL service. Also reference to alternate requirements in 483-1 and 2 were removed and we think they should still be in as well.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)			§ 60.486(j) § 60.562-2(e)	
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	60DDD-1	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.562-2(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.562-2(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.562-2(e) § 60.565(l)
PP2-FUG	EU	63FFFF-1	112(B)	40 CFR Part 63,	§ 63.2440(a)	This subpart applies to each	§ 63.2445(d)	§ 63.2525	§ 63.2435(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart FFFF	§ 63.2450(a) § 63.2450(l)	miscellaneous organic chemical manufacturing affected source.		§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
PP2-T1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a continuous 24-hour period is exempt from § 115.121(c)(1).			
PP2-T2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PP2-T3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in §115.121(c)(1)(B) and (C) of this title less than 30,000 ppmv is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
PP2-T3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PP2-UNIT	PRO	60DDD-2	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-2	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3a	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).			§ 60.565(k)(6) § 60.565(k)(7)
PP2-UNIT	PRO	60DDD-3a	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3b	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(2)	Each vent stream that emits intermittent emissions as defined in §60.560-1(a)(1) shall be controlled as specified; prior to control modification/reconstruction/replacement, the vent stream is exempted.	None	None	None
PP2-UNIT	PRO	60DDD-3b	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(g)	Vent streams emitting continuous emissions with uncontrolled annual emissions of < 1.6 Mg/yr (1.76 Tons/yr) or with weight % TOC of < 0.10 % from facilities as specified, exempted from §60.562-1(a)(1).	[G]§ 60.564(d)	§ 60.565(a) § 60.565(a)(10) § 60.565(h)	§ 60.565(a) § 60.565(a)(10) § 60.565(k) § 60.565(k)(6) § 60.565(k)(7)
PRU UNIT	EU	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: 1018	
Control Device ID No.: 1018	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: No pilot flame	
CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. Note: This CAM summary applies to the process vents at Polypropylene Plant routing to Flare 1018 (EPN 1018) and not the flare itself. Since Flare 1018 is located at the Olefins Plant at Formosa Plastics, the monitoring requirements in this CAM summary are listed in this permit as a reference only. Actual monitoring of the pilot flame will be conducted in the Olefins Plant.	

CAM Summary

Unit/Group/Process Information	
ID No.: 1067	
Control Device ID No.: 1067	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: No pilot flame	
CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. This CAM summary applies to the process vents at Polypropylene Plant routing to Flare 1018 (EPN 1018) and not the flare itself. Since Flare 1018 is located at the Olefins Plant at Formosa Plastics, the monitoring requirements in this CAM summary are listed in this permit as a reference only. Actual monitoring of the pilot flame will be conducted in the Olefins Plant.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B-620	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-107	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-108	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PO-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm. ~~Presence of visible emissions.~~	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. ~~If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test.~~ If the result of the Test Method 9 is opacity above the corresponding opacity limit, ~~(associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit),~~ the permit holder shall report a deviation.	

Commented [CB19]: To Formosa: Cooling tower VE PM added but will need tweaking.

Commented [CB20]: To TCEQ: We requested annual VE checks on cooling towers. They are highly unlikely to have VE, so annual should be adequate for this type of source. Other Title V permits at this facility have recently added annual VE checks on the cooling towers.

Commented [CB21]: To TCEQ: Updating to match similar conditions in other Title V permits Formosa has

Commented [CB22]: To TCEQ: Updating to match similar conditions in other Title V permits Formosa has

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP1-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm. ~~Presence of visible emissions.~~	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions~~. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test.~~ If the result of the Test Method 9 is opacity above the corresponding opacity limit ~~(associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit),~~ the permit holder shall report a deviation.	

Commented [CB23]: To TCEQ: We requested annual VE checks on cooling towers. They are highly unlikely to have VE, so annual should be adequate for this type of source.

Commented [CB24]: To TCEQ: Updating to match similar conditions in other Title V permits Formosa has

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP2-CT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm. ~~Presence of visible emissions.~~	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. ~~If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test.~~ If the result of the Test Method 9 is opacity above the corresponding opacity limit ~~(associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit),~~ the permit holder shall report a deviation.	

Commented [CB25]: To TCEQ: We requested annual VE checks on cooling towers. They are highly unlikely to have VE, so annual should be adequate for this type of source.

Commented [CB26]: To TCEQ: Updating to match similar conditions in other Title V permits Formosa has

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP2-CT3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm. ~~Presence of visible emissions.~~	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. ~~. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test.~~ If the result of the Test Method 9 is opacity above the corresponding opacity limit, ~~(associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit),~~ the permit holder shall report a deviation.	

Commented [CB27]: To TCEQ: We requested annual VE checks on cooling towers. They are highly unlikely to have VE, so annual should be adequate for this type of source.

Commented [CB28]: To TCEQ: Updating to match similar conditions in other Title V permits Formosa has

Permit Shield

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
3D-101	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-101	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-102	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-102	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons
3D-103	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-103	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-109	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
3D-109	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
3D-109	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
B-620	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-101	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-101	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
D-102	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-102	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons
D-103	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-103	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
D-106	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
D-106	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.

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
D-107	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-108	N/A	40 CFR Part 63, Subpart VV	The separator is not subject to another subpart within 40 CFR 60, 61, or 63 that references this subpart for control of air emissions.
D-910	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
PO-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP1-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP1-FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site is not located in one of the applicable areas.
PP1-FUG	N/A	40 CFR Part 61, Subpart F	This site does not produce ethylene dichloride, vinyl chloride, or one or more polymers containing any fraction of polymerized vinyl chloride.
PP1-FUG	N/A	40 CFR Part 61, Subpart J	This site does not contain any sources in benzene service.
PP1-FUG	N/A	40 CFR Part 61, Subpart V	No sources are operated in VHAP services.
PP1-FUG	N/A	40 CFR Part 63, Subpart H	This site is not a chemical manufacturing process unit that manufactures as a primary product one or more of the chemicals listed in 40 CFR 63, Subpart F.

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
PP1-FUG	N/A	40 CFR Part 63, Subpart I	This site does not produce any of the applicable chemicals listed in 63.190.
PP2-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994
PP2-CT3	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.
PP2-FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site is not located in one of the areas.
PP2-FUG	N/A	40 CFR Part 61, Subpart F	The site does not produce ethylene dichloride, vinyl chloride, or one or more polymers containing any fraction of polymerized vinyl chloride.
PP2-FUG	N/A	40 CFR Part 61, Subpart J	The site does not contain any source in benzene service.
PP2-FUG	N/A	40 CFR Part 61, Subpart V	No sources are operated in VHAP service.
PP2-FUG	N/A	40 CFR Part 63, Subpart H	The site is not a chemical manufacturing process unit that manufactures as a primary product one or more of the chemicals listed in 40 CFR 63 Subpart F.
PP2-FUG	N/A	40 CFR Part 63, Subpart I	The site does not produce any of the applicable chemicals listed in 63.190.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1237	Issuance Date: 04/01/2021
PSD Permit No.: PSDTX1240	Issuance Date: 09/23/2019
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 19200	Issuance Date: 04/01/2021
Authorization No.: 91780	Issuance Date: 09/23/2019
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.393	Version No./Date: 09/04/2000
Number: 106.395	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

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**
1018	OLEFINS 1 ELEVATED FLARE	19200, 91780, PSDTX1237, PSDTX1240
1067	OLEFINS 2 ELEVATED FLARE	19200, 91780, PSDTX1237, PSDTX1240
1F-405	VENT BAG FILTER TRAIN NO. 1	19200, 91780, PSDTX1237, PSDTX1240
2F-405	VENT BAG FILTER TRAIN NO. 2	19200, 91780, PSDTX1237, PSDTX1240
3C-352A/B	DRYING COLUMN	91780, PSDTX1240
3D-101	CATALYST UNLOADING DRUM	91780, PSDTX1240
3D-102	CATALYST FEED DRUM	91780, PSDTX1240
3D-103	CATALYST FEED DRUM	91780, PSDTX1240
3D-109	CATALYST DRUM	91780, PSDTX1240
B-231	CO-CATALYST AREA DIP POT	19200, PSDTX1237
B-242	CO-CATALYST AREA DIP POT	19200, PSDTX1237
B-292A	PEROXIDE DIP POT	19200, PSDTX1237
B-292B	PEROXIDE DIP POT	19200, PSDTX1237
B-406	CATALYST SLURRY PREP SYSTEM DIP POT	19200, PSDTX1237
B-620	BOTTOM PHASE SEPARATOR	19200, PSDTX1237
B615	IPA UNLOADING	19200, PSDTX1237
B810	HEPTANE UNLOADING	19200, PSDTX1237
B820	IPA/HEPTANE UNLOADING	19200, PSDTX1237
C-352A/B	DRYING COLUMN	19200, PSDTX1237
D-101	CATALYST UNLOADING DRUM	19200, PSDTX1237
D-102	CATALYST FEED DRUM	19200, PSDTX1237

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**
D-103	CATALYST FEED DRUM	19200, PSDTX1237
D-106	HEXANE HOLD DRUM	19200, PSDTX1237
D-107	NEUTRALIZATION DRUM	19200, PSDTX1237
D-108	SETTLE DRUM	19200, PSDTX1237
D-407	PEROXIDE DRUM	19200, 91780, PSDTX1237, PSDTX1240
D-910	HEXANE STORAGE TANK	19200, PSDTX1237
F-343	POWDER VENT GAS FILTER	19200, PSDTX1237
F-346	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-402	MASTERBATCH VENT BAG FILTER	19200, 91780, PSDTX1237, PSDTX1240
F-443	POWDER VENT GAS FILTER	19200, PSDTX1237
F-446	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-543	POWDER VENT GAS FILTER	19200, PSDTX1237
F-546	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
F-743A	POWDER VENT BAG FILTER	19200, PSDTX1237
F-746	ADDITIVE FEED CONVEYING GAS FILTER	19200, PSDTX1237
PO-CT	COOLING TOWER	19200, PSDTX1237
PP1-300	DOWNSTREAM PELLET HANDLING TRAIN NO.1	19200, PSDTX1237
PP1-400	DOWNSTREAM PELLET HANDLING TRAIN NO.2	19200, PSDTX1237
PP1-500	DPWNSTREAM PELLET HANDLING TRAIN NO.3	19200, PSDTX1237
PP1-700	DOWNSTREAM PELLET HANDLING TRAIN NO.4	19200, PSDTX1237
PP1-CT	COOLING TOWER	19200, PSDTX1237

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**
PP1-FUG	FUGITIVES, PP-1 UNIT	19200, PSDTX1237
PP1-UNIT	POLYPROPYLENE 1 UNIT	19200, PSDTX1237
PP2-3D407	PEROXIDE DIP POT	91780, PSDTX1240
PP2-3F402	MASTERBATCH VENT BAG FILTER	91780, PSDTX1240
PP2-3F405	VENT BAG FILTER	91780, PSDTX1240
PP2-CT	COOLING TOWER	~~19200,~~ 91780, ~~PSDTX1237,~~ PSDTX1240
~~PP2-CT3~~	~~COOLING TOWER~~	~~91780, PSDTX1240~~
PP2-CT3	PP2 TRAIN 3 COOLING TOWER	91780, PSDTX1240
PP2-FUG	FUGITIVES, PP-2 UNIT	19200, 91780, PSDTX1237, PSDTX1240
PP2-T1	DOWNSTREAM PELLET HANDLING TRAIN NO.1	19200, 91780, PSDTX1237, PSDTX1240
PP2-T2	DOWNSTREAM PELLET HANDLING TRAIN NO.2	19200, 91780, PSDTX1237, PSDTX1240
PP2-T3	TRAIN 3 - DOWNSTREAM PELLET HANDLING	91780, PSDTX1240
PP2-UNIT	POLYPROPYLENE 2 UNIT	19200, PSDTX1237
PRU UNIT	PROPYLENE RECOVERY UNIT	19200, PSDTX1237

**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 [CB29]: To TCEQ: Removing reference to 19200 and associated PSD permit since this cooling tower is only authorized on 91780 and associated PSD.

Commented [CB30]: To TCEQ: Removing duplicate reference

Alternative Requirement

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 14, 2016

MR RICK CRABTREE
ASSISTANT GENERAL MANAGER
FORMOSA PLASTICS CORPORATION TEXAS
PO BOX 700
POINT COMFORT TX 77978-0700

Re: Alternative Method of Compliance (AMOC) No. 66
Alternative Monitoring For Cooling Towers
Formosa Point Comfort Plant
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017
Associated Permit Numbers: 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, PSDTX760M9, O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421

Dear Mr. Crabtree:

This correspondence is in response to Formosa Plastics Corporation, Texas's (Formosa's) request for Alternative Monitoring for all cooling towers (CT) at the Formosa Point Comfort Plant. The AMOC is used to comply with requirements for sampling and analysis of VOCs in cooling tower feed water and makeup water.

We understand that Formosa is requesting clarification and confirmation of the alternative VOC sampling procedure for all authorized CT at the site installed on similar product processes (see Attachment 1). This alternative method was previously approved for Formosa on December 2, 1992, January 11, 1996, and August 1997.

The alternative VOC sampling (referenced in historical correspondence as FPC TX VOC IN WATER AND WASTEWATER) is equivalent to Test Method 8020A. The method is detailed in Attachment 2 and should provide representative concentrations of non-methane hydrocarbons to comply with the above-referenced permits. This alternative method does not apply to any requirements that may in 40 Code of Federal Regulations Part 60, New Source Performance Standards (NSPS), 40 Code of Federal Regulations Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP), or 40 Code of Federal Regulations Part 63, Maximum Achievable Control Technology (MACT) Standards for Hazardous Air Pollutants.

Re: AMOC #66

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, and PSDTX760M9. To ensure effective and consistent enforceability, we request that Formosa incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval, if not already included.

This approval may also change applicable requirements for the site, which are identified in the site operating permits (SOP) O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

cc: Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 255806

Re: AMOC #66

Attachment 1 – Summary of Cooling Towers and Authorizations

Permit Nos.	Type of Process	Plant	EPNs	Previous Approval
19166, HAP10, PSDTX760M9, O1951	Inorganic	Utilities Plant	Not identified on MAERT	12/2/1992
19167, O1953	Inorganic	Caustic Chlorine Plant	Not identified on MAERT (shares with EDC-CT)	1/11/1996
76044, PSDTX1053, O3421	Inorganic	Pet Coke / Coal Fired Generation	CT-1 through CT-12	N/A
19168, PSDTX1226, O1958	Organic Olefins	Olefins I Olefins II GHU PPU FRACII	1010 1064 8801U FRACII-CT	N/A
107518, PSDTX1383 SOP PENDING	Organic Olefins	Olefins III PDII	OL3-CTWR PDII-CWTR	N/A
19201, PSDTX1232 O1957	Organic Polyolefins	HDPE I	PO-CT	1/11/1996
40157, PSDTX1222 O1957	Organic Polyolefins	HDPE II	PP2-CT	N/A
20203, PSDTX1224 O1957	Organic Polyolefins	LLDPE	LL-CT	12/2/1992
107520, PSDTX1384 SOP PENDING	Organic Polyolefins	LDPE	LD-CT	N/A
19200, PSDTX1237, O1956	Organic Polyolefins	Polypropylene I Plant (PP I)	PO-CT PP1-CT	1/11/1996
91780, PSDTX1240 O1956	Organic Polyolefins	PP II	PP20CT	N/A
127838 SOP PENDING	Organic Polyolefins	HDPE 3	PE3-12	N/A
19199, PSDTX1238 O1953	Organic Other	Ethylene Dichloride (EDC)	2C-C1 2C-C2 EDC-CT	
7699, PSDTX226M7 O1954	Organic Other	EDC Cracking, VCM, PVC	999 VW-C02 VW-C11	12/2/1992
19198, PSDTX1234 O1484	Organic Other	Ethylene Glycol (EG)	EG-CT	8/1997
128752 SOP PENDING	Organic Other	EG 2	EG2-CT	N/A
76305, PSDTX1058 O3409	Organic Other	Specialty PVC	CT-01	N/A

Mr. Wilson
June 11, 2015

Attachment 2

VOC in Water and Wastewater by TACD-VOC Method Procedure

Re: AMOC #66

Page 1 of 14

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: [illegible]

1.0 PURPOSE *

In an effort to maintain Quality, Efficiency, Safety, and Environmental Responsibility, this procedure has been developed for L.S. & Q.A. Department Operation.

2.0 SCOPE *

This method is for the analysis of water and wastewater samples containing volatile organic compounds (VOC) and non-methane hydrocarbons (NMHC). It is intended for analyzing treated and un-treated water and wastewater streams permitted in FPC expansion complex.
This method can be used to quantitate volatile organic compounds that have boiling points less than 200°C and are insoluble or slightly soluble in water.

3.0 ORGANIZATIONS AFFECTED

This procedure affects operation within the L.S. & Q.A. Department and any other department that may request this analysis.

4.0 RESPONSIBILITIES

Personnel	Responsibility
Management/Supervision	Responsible for development and implementation of the procedure, training material, and training of subordinates
QA/QC	Responsible for auditing the performance of the procedure.
Lab Technician	Responsible for knowing and performing analysis per procedure.

5.0 DEFINITIONS

VOC . Volatile Organic Compounds (VOC) are organic compounds that have boiling points approximately less than 200°C.

6.0 KEY POINTS

Not applicable.

THIS DOCUMENT UNCONTROLLED WHEN PRINTED

Department: L.S. & Q.A. Effective Date: May 25, 2015 Document Code: FPTC4503

File Name: FPTC4503_rev3.docx

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number [illegible]

7.0 POLICIES *

This procedure has been developed to insure adherence to FPC Quality, Environmental, Health and Safety Policies, FPC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are [illegible] to the gas chromatograph inlet where the individual components are detected using a flame ionization detector. The resulting peaks are summed and quantitated against external calibration curve constructed using benzene as a standard.

GC FID ?

Interferences

Major contaminate peaks are volatile [illegible] in the laboratory and impurities in the inert purging gas [illegible]. A trip blank prepared from organic-free regent water and carried through the sampling and handling protocol can serve as a [illegible] any possible contamination of sample.

Safety Considerations

The use of proper gloves, safety glasses, and PPE should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water sample are collected in 40mL vial with a Teflon-lined septum and an open top screwcap. Two vials per sampling event must be collected at a [illegible] sample point. The containers must be filled in such manner that no air bubbles pass through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (HMSL-CI, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < 1/4 in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 2

7.0 POLICIES *

This procedure has been developed to insure adherence to PPG Quality, Environmental, Health and Safety Policies, PPG Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

Volatile organic compounds (VOC) are extracted from samples by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual compounds are detected using a flame ionization detector. The resultant peaks are measured and quantitated against external calibration curve established using benzene as a standard.

Interferences

Major contaminate peaks are usually encountered in the laboratory and impurities in the inert purging gas can be concentrated. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a useful tool in the possible contamination of samples.

Safety Considerations

The use of proper gloves, safety glasses, and PPE should be exercised when using reagents. Routine caution when working with glassware. Wipe any spills, clean area thoroughly and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water samples are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. Two vials per sampling event must be collected at a minimum per sample point. The containers must be filled in such manner as to flow through gas through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquids at different temperatures, it is possible for the sample to generate extra headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (HMSL-CI, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter <1/4 in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACH-VOC METHOD

QC Requirements

QC	DESCRIPTION	FREQUENCY	CRITERIA	CORRECTIVE ACTION
MB	Method blank; Organic-free reagent water	1/10 samples	<20 ppb Which is the amount of the lowest std.	Investigate system contamination; correct the problem and reanalyze the samples.
ICV	Initial Calibration verification, Benzene: 100 ppb.	1/10 sample	20% deviation from actual value. (80 ppb-120 ppb)	Check instrument function. Correct the initial calibration and reanalyze. Perform initial calibration after the third failure.

Calculations

Revision(%)

$$D = \frac{|X - T|}{T} \times 100$$

Where, D = percent deviation
X = the observed value for the measurement
T = "actual" value for the measurement

Precision and Accuracy

None

Reporting

1. Analytical reporting limit is 100 ppb (ug/L).
2. All verified results must be entered in LIMS and/or the appropriate coal-bacities log sheet upon completion.
3. For the purpose of reporting to applicable agencies, preliminary results from LIMS may be used to prevent results from undue delay in reporting time.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

9.0 PROCEDURES*

9.1 *Standard Preparation*

9.1.2 Calibration Standards

Fill 40 mL VOA vials with reagent water, taking care not to trap any air in the vial. Add the Calibration Standard (AS-10004) to the vial using a clean microsyringe [illegible] following list to prepare the calibration standards:

	Stock solution
Blank	0.0 uL
20 ppb	0.8 uL
50 ppb	2.0 uL
100 ppb	4.0 uL
250 ppb	10.0 uL
500 ppb	20.0 uL
1000 ppb	40.0 uL

9.1.3 Initial Calibration Verification Standard: Upon [illegible] the certified benzene standard (e.g. M502-01-10X), transfer to a 1 mL reaction vial and cap with syringe valve. This standard may be good up to 6 months, but should be replaced if ICV fails. Fill a 40 mL VOA vial with reagent water, taking care not to trap any air in the vial. Add 2.0 uL to the vial using a clean microsyringe for a 100 ppb std.

9.1.4 All standard preparation activities must be logged in the standards logbook.

9.2 *Instrument Setup*

9.2.1 GC/FID is configured as follows:

Inlet
Mode: split — Gas: Helium
Heater: [illegible]
Pressure: [illegible]
Total Flow: 102 mL/min
Split ratio: [illegible]
Split Flow: [illegible] mL/min

Columns
Mode: Const Pressure
Pressure: 5.0 psi
Flow: 10.0 mL/min
Average Velocity: 56 cm/sec.

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Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: 8

Oven
Setpoint: 30 °C

Oven Maximum: 300 °C
Equilibration: 0.5 min

Oven Ramp	°C/min	Next °C	Hold min
Initial		30	2.00
Ramp 1	20.00	250	9.00
Post Run		30	0

Detector
Heater: 280 °C
H2 flow 40.0 mL/min
Air Flow 450 ml/min
Makeup Flow (He): 25.0 mL/min
Flame: On

9.2.2 Purge-and-Trap (OI 4560):

Purge flow 35 mL/min
Purge 11 min at 25°C
Desorb 2 min at 190 °C
Bake 10 min at 185 °C
Transfer line 100°C
Valve 100 °C
Sample size 5 mL
Drypurge 2 min

9.3 *Re- Calibration*

9.3.1 Recalibration is performed once a year or when new ICV falls 20% recovery. Prior to re-calibration, QC and samples must be baked out. Raise the GC oven temp to 250°C and bake for at least 30 min. It is also necessary to bake the purge-and-trap through out bake cycle to ensure that there are no contaminates trapped in the trap. After 30 min lower GC temp to 30°C.

9.3.2 Prepare the calibration standards as outlined in 9.1.3 just prior to analysis. Load the standard vials in the correct slots of the autosampler and prepare following re-calibration sequence in the Method and Run control section of the Chemstation Software. Start the sequence by following steps from 9.4.4 to 9.4.9.

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VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: [illegible]

Re-calibration sequence:

Line	Vial	Sample Name	Method Name	Inj/Vial	Sample Type	Cal Level	Update RF	Update RT
1	1	MB (Blank)	TACB-VOC	1	Sample			
2	1	20 ppb	TACB-VOC	1	Calibration	1	Replace	No Update
3	1	50 ppb	TACB-VOC	1	Calibration	2	Replace	No Update
4	1	100 ppb	TACB-VOC	1	Calibration	3	Replace	Replace
5	1	250 ppb	TACB-VOC	1	Calibration	4	Replace	No Update
6	1	500 ppb	TACB-VOC	1	Calibration	5	Replace	No Update
6	1	1000 ppb	TACB-VOC	1	Calibration	6	Replace	No Update

9.3.3 In the data analysis window of the Chemstation [illegible] load the chromatogram for the blank (analyst water). Check to see that there are no contamination peaks. For some low level analysis, a small peak will show at the beginning of the run. This is due to [illegible] change [illegible] when the sampler injects. If a calibration exists, the [illegible] than two times the lower analytical limit for the analysis.

9.3.4 Open the calibration file and check to see [illegible] are only two significant peaks. The first peak will be the solvent (or methanol) peak. [illegible] should be sharp with minimum tailing. If there are more than two peaks, the calibration [illegible] water is contaminated. Correct this condition and begin the calibration again.

9.3.5 Once the calibration [illegible], the results must be [illegible] in a linear calibration curve. Display the calibration [illegible] and check that the fit is at least $R^2 \geq 0.990$. Calculate a new area reject from the Calibration [illegible] number value x amount + 0" (the number value is the slope of the calibration curve. The amount is 20). Enter this new area into the integration events table in the value line for [illegible].

9.3.6 Calibration [illegible] uncalibrated peaks using compound benzene. The parameters should [illegible] individual peak areas of chromatogram.

9.4 [illegible]

9.4.1 [illegible] sample: A volumetric composite is performed by combining the chilled (4°C) samples [illegible] a weekend sampling event in a chilled [illegible] by ice. This must be [illegible] quickly to prevent loss of volatile components. The sample is mixed and transferred to 40mL [illegible]

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 5

Note: The volumetric composite may not reflect the true emission over a week long period due to fluctuations in flow rate of the stream to be tested.

9.4.2 For grab samples, directly use the vial that the sample was received in.

9.4.3 Load the samples in the autosampler racks noting their positions.

9.4.4 Bring up the window P & T 6890C (online): Method & Run control by Click Start / Program/HP Chemstation /Instrument online if it is not opened on the computer monitor.

9.4.5 Click Sequence/Load Sequence to load an existing sequence.

9.4.6 Click Sequence/Sequence Parameter to change the Subdirectory to today's date.

9.4.7 Click Sequence/Sequence Table to edit the sequence at the data station. Enter the sample information in a sequence file located in the data station. Be sure that the vial positions correspond with vial locations and the correct method is chosen for the analysis

Following sequence table is an example:

Line	Vial	Sample Name	Method Name	Inj/Vial	Sample Type
1	1	MB(Blank)	TACB-VOC	1	Sample
2	1	ICV	TACB-VOC	1	Sample
3	1	OL1 CWR 2/5	TACB-VOC	1	Sample
4	1	OL1 CWR 2/5	TACB-VOC	1	Sample
5	1	OL2 CWR 2/08	TACB-VOC	1	Sample
6	1	OL2 CWR 2/08	TACB-VOC	1	Sample
7	1	OHU CWR 2/5	TACB-VOC	1	Sample
8	1	OHU CWR 2/5	TACB-VOC	1	Sample
9	1	T971 2/1-2/7	TACB-VOC	1	Sample
10	1	ST971 2/1-2/7	TACB-VOC	1	Sample
11	1	CWTP 2/1-2/7	TACB-VOC	1	Sample
12	1	LLDPE CWR 2/5	TACB-VOC	1	Sample
13	1	MB	TACB-VOC	1	Sample
14	1	ICV	TACB-VOC	1	Sample
15	1	Sample	TACB-VOC	1	Sample
16	1	Sample	TACB-VOC	1	Sample

Note: Method blank and calibration verification need be run every 10 samples.

9.4.8 Press Run Sequence button. Now system is ready and waiting for Purge-and-trap device to start.

9.4.9 Purge-and-trap device preparation:
(1) Push SPL Button on the front panel, the window will show: L651 start: end;
(2) Set the start and end positions that need match with actual sample position and run sequence, use Arrow ON button and OFF button to switch between start and end, then use keypad to key in position number.

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VOC IN WATER AND WASTEWATER BY TAGA-VOC METHOD

Revision Number [illegible]

(3) Press Enter key, then press Clear button, then press Start button to run the sequence.

9.4.10 Once data have been generated, check that the chromatograms have been integrated correctly. Samples that are 10 % out of the analytical range for the determination must be diluted and reanalyzed using the appropriate methodology (Section [illegible]).

10.0 TRAINING REQUIREMENTS

Personnel who perform this analysis will be required to complete the following training requirements:

Period	Requirement
Initial	SOP Training, Test, and Job Qualification
Annual Refresher and Procedure Revision	SOP Training and Test
Audit Finding	SOP Training, Test and Job Qualification

11.0 FLOWCHART

Not applicable

12.0 REFERENCES

1. "Guidelines for [illegible] Policies, Guidelines, and Procedures." FTC TQM Manual.
2. Test Method for [illegible] Solid Waste (SW-846), "Determinative Chromatographic Separations." Revision 3, March 2003, Method 8000C.
3. Test Method for [illegible] (SW-846), "Purge and Trap for Aqueous Samples." Revision 3, May 2003, Method 5030C.
4. Test Method for Evaluating Solid Waste (SW-846), "Organic Analytes," Revision 4, February 2007, Chapter [illegible], (for sample storage)

13.0 RECORD RETENTION PERIOD

Records produced using this procedure will be retained for a period of not less than 5 years.

14.0 ATTACHMENTS

Figure 1: Chromatogram of Calibration Standard and Sample Run
Attachment 1: TNSCC-Approved Letter

Re: AMOC #66

TABLE 1. Examples of sample dilution

Add the required amount of high concentration sample to a 50 mL volumetric flask, and then bring level to exact 50 mL with organic-free reagent water.

Dilution factor	High concentration sample	Total volume
30000	1.67 µL	50 mL
20000	2.5 µL	50 mL
10000	5 µL	50 mL
8000	10 µL	50 mL
4000	12.5 µL	50 mL
3000	16.7 µL	50 mL
2000	25 µL	50 mL
1000	50 µL	50 mL
500	100 µL	50 mL
400	125 µL	50 mL
300	167 µL	50 mL
200	250 µL	50 mL
100	500 µL	50 mL
90	555 µL	50 mL
80	625 µL	50 mL
70	714 µL	50 mL
60	833 µL	50 mL
50	1 mL	50 mL
40	1.25 mL	50 mL
30	1.67 mL	50 mL
20	2.5 mL	50 mL
10	5 mL	50 mL
5	10 mL	50 mL
2	25 mL	50 mL

Figure 1: Sample Chromatogram
Calibration Standard #4

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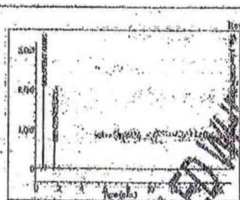
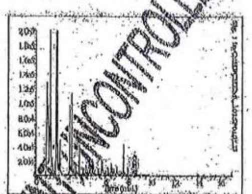
Revision Number



Sample Run



Attachment 1: TNRCC Approval Letter

The next page is a copy of the approval letter from the TNRCC.

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
7/30/2024	O1956	100218973

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
B615	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B810	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B820	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
FTPP2G111	R5211-2	OTHER	NONE		VOC2	LOAD	1.5+	20k-	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 16)
Federal Operating Permit Program
Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
7/29/2024	O1956	100218973

Unit ID No.	SOP Index No.	Emission Standard	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Negative Pressure	Bypass Line
FTPP2G111	63FFFF-3	NONE						

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
1018/1067	Olefins I and II Flares Elevated Flares (6)	NO_x	2.81	6.11	4,5,8,9,21,24,25,29,30,33,37, 50,55,59	8,9,10,21,22,23,24,25,29,30,37,38,50,51, 52,53,55,56,59	4,5,21,30,33,50
		CO	14.37	31.27			
		VOC	15.16	10.83			
		SO_2	0.02	0.05			
1018/1067 / PP2-TEMP	Olefins I and II Flares – MSS Contribution	NO_x	140.22	2.47	22,23,24,26,29,30	22,23,24,26,29,30	
		CO	899.55	15.80			
		VOC	718.09	22.06			
1018/1067	Olefins I and II Flares Elevated Flares Product Transition	NO_x	13.16	0.75	4,5,8,9,21,30,33,37,50,55	4,5,8,9,10,21,30,33, 37,38,50,55	4,5,21,30,33,50
		CO	81.58	4.64			
		VOC	116.28	6.58			
PP2-FUG	Fugitives, PP-2 Unit (5)	VOC	8.01	35.09	4,5,14,15,33,44	4,5,14,15,33,44	4,5,14,33
		Cl_2	0.01	0.05			
Train No. 1 and Train No. 2							
D-407	Peroxide Drum	VOC	0.01	0.01	5	5	
F-400	Vacuum Cleaner Bag Filter	PM	0.03	0.11	6	6	
		PM_{10}	0.03	0.11			
		$PM_{2.5}$	0.03	0.11			
F-402		PM	0.02	0.09	6	6	

Major NSR Summary Table

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Masterbatch Vent Bag Filter	PM_{10}	0.02	0.09			
		$PM_{2.5}$	0.02	0.09			
		VOC	0.02	0.06			
F-403	Off Pellet Bag Filter	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
F-987	Railcar Vacuum Cleaning System	PM	0.02	0.08	6	6	
		PM_{10}	0.02	0.08			
		$PM_{2.5}$	0.02	0.08			
PP2-CT	Cooling Tower	VOC	1.32	5.77	5,16,17	5,16,17	5,16
		PM	1.09	4.79			
		PM_{10}	0.40	1.74			
		$PM_{2.5}$	0.01	0.01			
		Chlorine Compounds	<0.01	<0.01			
PP2-T1	Downstream Pellet Handling PP-2, Train No. 1 (7)	VOC	6.37	5.60	5,13,20	5,11,13,20	5
PP2-T2	Downstream Pellet Handling PP-2, Train No. 2 (8)	VOC	6.37	5.60	5,13,20	5,11,13,20	5

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1F-404	Additive Hopper Vent Bag Filters	PM	0.02	0.02	6	6	6
		PM_{10}	0.02	0.02			
		$PM_{2.5}$	0.02	0.02			
1F-405	Vent Bag Filter, Train No. 1	PM	0.12	0.48	6	6	
		PM_{10}	0.12	0.48			
		$PM_{2.5}$	0.12	0.48			
		VOC	0.74	3.23			
1F-406B	Vent Hopper Sock, Train No. 1	PM	0.01	0.04	6	6	
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.01	0.04			
1F-501	Blending Silos Bag Filter, Train No. 1	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
1F-982	Elutriator Bag Filter, Train No. 1	PM	0.98	3.89	6	6	
		PM_{10}	0.98	3.89			
		$PM_{2.5}$	0.98	3.89			
1F-985	Railcar Bag Filter Train No. 1	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.49	1.95			
1S-404	Dryer Train No. 1	PM	0.51	1.99	6	6	
		PM_{10}	0.51	1.99			
		$PM_{2.5}$	0.51	1.99			
1S-405	Classifier	PM	0.04	0.18	6	6	
		PM_{10}	0.04	0.18			
		$PM_{2.5}$	0.04	0.18			
2F-405	Vent Bag Filter, Train No. 2	PM	0.12	0.48	6	6	
		PM_{10}	0.12	0.48			
		$PM_{2.5}$	0.12	0.48			
		VOC	0.74	3.23			
2F-406B	Vent Hopper Sock	PM	0.01	0.04	6	6	
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.01	0.04			
2F-501	Blending Silos Bag Filter, Train No. 2	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
2F-982		PM	0.98	3.89	6	6	

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Elutriator Bag Filter, Train No. 2	PM_{10}	0.98	3.89			
		$PM_{2.5}$	0.98	3.89			
2F-985	Railcar Bag Filter Train No. 2	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
2S-404	Dryer Train No. 2	PM	0.51	1.99	6	6	
		PM_{10}	0.51	1.99			
		$PM_{2.5}$	0.51	1.99			
2S-405	Classifier	PM	0.04	0.18	6	6	
		PM_{10}	0.04	0.18			
		$PM_{2.5}$	0.04	0.18			
Train No. 3							
PP2-3F405	Vent Bag Filter	PM	0.16	0.63	33,35,48	33,35,48	33,48
		PM_{10}	0.03	0.13			
		$PM_{2.5}$	0.01	0.05			
		VOC	0.61	2.43			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
PP2-3F406B	Vent Hopper Sock	PM	0.01	0.04	35,48	35,48	48
		PM_{10}	<0.01	<0.01			
		$PM_{2.5}$	<0.01	<0.01			
PP2-3F982	Elutriator Bag Filter	PM	1.30	5.16	35,48	35,48	48
		PM_{10}	0.26	1.03			
		$PM_{2.5}$	0.10	0.41			
PP2-3F985	Railcar Bag Filter	PM	0.71	2.83	35,48	35,48	48
		PM_{10}	0.14	0.57			
		$PM_{2.5}$	0.06	0.23			
PP2-3F987	Railcar Vacuum	PM	0.02	0.08	35,48	35,48	48
		PM_{10}	<0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
PP2-3S404	Dryer Train No. 3	PM	0.67	2.64	35	35	
		PM_{10}	0.13	0.53			
		$PM_{2.5}$	0.05	0.21			
PP2-3S405	Classifier	PM	0.01	0.05	35	35	
		PM_{10}	<0.01	0.01			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	<0.01	<0.01			
PP2-3F501	Silo Bag Filter	PM	0.70	2.78	35,48	35,48	48
		PM_{10}	0.14	0.56			
		$PM_{2.5}$	0.06	0.22			
PP2-3F400	Vacuum Cleaner Bag Filter	PM	0.03	0.11	35,48	35,48	48
		PM_{10}	0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
PP2-3F402	Masterbatch Vent Bag Filter	PM	0.02	0.09	33,35,48	33,35,48	33,48
		PM_{10}	<0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
		VOC	0.02	0.08			
PP2-3F403	Off Pellet Vent Bag Filter	PM	0.49	1.94	35,48	35,48	48
		PM_{10}	0.10	0.39			
		$PM_{2.5}$	0.04	0.15			
PP2-CT3	PP2 Train 3 Cooling Tower	Chlorine Compounds	<0.01	<0.01	34,45,46	34,45,46	34
		PM	1.25	5.46			
		PM_{10}	0.45	1.98			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: 9/23/2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	< 0.01	0.01			
		VOC	1.50	6.58			
PP2-T3	Train 3 - Downstream Pellet Handling (9)	VOC	8.75	6.90	33,34,49	33,34,41,49	33,34
PP2-3D407	Peroxide Dip Pot	VOC	<0.01	<0.01	33,34,42,54	33,34,42,54	33,34
Maintenance, Startup, and Shutdown (MSS) – Train Nos. 1, 2, and 3							
PP2-MAINT	MSS to Atmosphere	VOC	202.88	3.61	24,25,29,52,53,55,59	22,23,24,25,29,51,52,53,55,56,59	
		PM	3.94	0.24			
		PM_{10}	3.94	0.24			
		$PM_{2.5}$	3.94	0.24			

(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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cl_2 - chlorine
(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.
(6) PP II vents shall be rerouted to one flare or the other.
(7) Total VOC emissions from the following emission points: F-403, 1F-406B, 1F-501, 1F-982, 1F-985, 1S-404 and 1S-405.

(8) Total VOC emissions from the following emission points: F-403, 2F-406B, 2F-501, 2F-982, 2F-985, 2S-404 and 2S-405.
(9) Total VOC emissions from the following emission points: PP2-3F403, PP2-3F501, PP2-3S405, PP2-3F985, PP2 3F982, PP2-3F406B, and PP2-3S404

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
1018/1067	Olefins I and II Flares (6)	CO	15.40	42.79	3,6,10,11,15,16,17,18,22,23	3,5,6,10,11,14,17,18 ,22,23	3,10,17
		NO_x	3.02	8.40			
		SO_2	0.01	0.06			
		VOC	12.47	18.48			
B-242	Co-Catalyst Area Dip Pot	VOC	0.03	0.01	3	3	3
B-292A	Peroxide Dip Pot	VOC	0.05	0.01	3	3	3
B-292B	Peroxide Dip Pot	VOC	0.05	0.01	3	3	3
B-360	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
B-406	Catalyst Slurry Prep System Dip Pot	VOC	0.05	0.01	3	3	3
B-460	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
B-560	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
B-760	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-343	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-346	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-367	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-368	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-387A		PM	0.40	1.06	4	4	4

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Silos Cyclone Separator, Train No. 1	PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-443	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-446	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-467	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-468	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-487A	Silos Cyclone Separator, Train No. 2	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.07	0.19			
F-541	500 Line-Off Spec Silo Bag Filter	PM	0.20	0.86	4	4	4
		PM_{10}	0.04	0.17			
		$PM_{2.5}$	0.04	0.16			
F-543	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-546	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-567	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-568	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-575	300/400 Line - Off Spec Silo Bag Filter	PM	0.59	2.29	4	4	4
		PM_{10}	0.12	0.46			
		$PM_{2.5}$	0.11	0.41			
F-587A	Silos Cyclone Separator, Train No. 3	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-705	Auto Packer Cyclone	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-706A	Truck Silo Cyclone	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-706B	Auto Packer Cyclone	PM	0.16	0.69	4	4	4
		PM_{10}	0.03	0.14			
		$PM_{2.5}$	0.03	0.12			
F-711A	Hopper Silo Cyclone, Train No. 1	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-711B	PP1 Railcar Vacuum Cleaning System	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-711G	Streamer Remover Bag Filter, Train No. 4	PM	0.40	1.59	4	4	4
		PM_{10}	0.08	0.32			
		$PM_{2.5}$	0.07	0.29			
F-741	700 Line Off Spec Silo Bag Filter	PM	0.12	0.48	4	4	4
		PM_{10}	0.02	0.10			
		$PM_{2.5}$	0.02	0.09			
F-743	Additive Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.01	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-743A	Powder Vent Bag Filter	VOC	0.01	0.01	4	4	4
		PM	0.01	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-746		VOC	0.01	0.01	4	4	4

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Additive Feed Conveying Gas Filter	PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 A	Bag Dumping Unit	PM	0.02	0.01	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 B	Bag Dumping Unit	PM	0.02	0.01	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 C	Bag Dumping Unit	PM	0.02	0.01	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-767	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-768	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-781A	Product Silo Cyclone Train No. 1	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			
		$PM_{2.5}$	0.07	0.30			
F-781B	Product Silo Cyclone Train No. 2	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			
		$PM_{2.5}$	0.07	0.30			
F-781C	Product Silo Cyclone Train No. 3	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			
		$PM_{2.5}$	0.07	0.30			
F-787	Silo Air Filters Train No. 4	PM	0.48	1.87	4	4	4
		PM_{10}	0.10	0.37			
		$PM_{2.5}$	0.09	0.34			
F-787A	Silos Cyclone Separator, Train No. 4	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-875	B Train Loading Station Cyclone Separator	PM	0.30	0.61	4	4	4
		PM_{10}	0.06	0.12			
		$PM_{2.5}$	0.05	0.11			

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-902	Filter Receiver	PM	0.03	0.07	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-975	C Train Loading Station Cyclone Separator	PM	0.30	0.61	4	4	4
		PM_{10}	0.06	0.12			
		$PM_{2.5}$	0.05	0.11			
F-981	Product Silo Air Cyclone Train No. 4	PM	1.01	3.98	4	4	4
		PM_{10}	0.20	0.80			
		$PM_{2.5}$	0.18	0.72			
PO-CT	Cooling Tower	VOC	1.32	5.79	12	12	12
		PM	0.86	2.40			
		PM_{10}	0.20	0.87			
		$PM_{2.5}$	0.01	0.01			
		Chlorine compounds	0.01	0.01			
PP1-300	Downstream Pellet Handling PP-1, Train No. 1 (7)	VOC	3.30	3.64	3,13	3,7,9,13	3
PP1-400	Downstream Pellet Handling PP-1, Train No. 2 (8)	VOC	3.46	3.77	3,13	3,7,9,13	3

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
PP1-500	Downstream Pellet Handling PP-1, Train No. 3 (9)	VOC	2.87	3.79	3,13	3,7,9,13	3
PP1-700	Downstream Pellet Handling PP-1, Train No. 4 (10)	VOC	1.27	3.55	3,13	3,7,9,13	3
PP1-CT	Cooling Tower	VOC	0.44	1.93	12	12	12
		PM	0.29	0.80			
		PM_{10}	0.07	0.29			
		$PM_{2.5}$	0.01	0.01			
		Chlorine compounds	0.01	0.01			
PP1-FUG	Fugitives PP-1 Unit (5)	VOC	13.19	57.76	3,10,11	3,10,11	3,10
		PM	0.05	0.27			
		PM_{10}	0.05	0.27			
		$PM_{2.5}$	0.05	0.27			
		Cl_2	0.01	0.02			
T-367	Dryer Train No. 1	PM	0.33	1.21	4	4	4
		PM_{10}	0.07	0.24			
		$PM_{2.5}$	0.06	0.22			
T-467	Dryer Train No. 2	PM	0.45	1.89	4	4	4

Major NSR Summary Table

Permit Numbers 19200 and PSDTX1237					Issuance Date: 4/1/2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.09	0.38			
		$PM_{2.5}$	0.08	0.34			
T-567	Dryer Train No. 3	PM	0.33	1.21	4	4	4
		PM_{10}	0.07	0.24			
		$PM_{2.5}$	0.06	0.22			
T-767	Dryer Train No. 4	PM	0.41	1.76	4	4	4
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.07	0.32			
Planned Maintenance, Startup and Shutdown (MSS)							
PP1-MAINT	MSS to Atmosphere	VOC	102.27	1.81	14,15,16,17,18,22,23	14,15,16,17,18,22,23	
		PM	3.19	0.42			
		PM_{10}	3.19	0.42			
		$PM_{2.5}$	3.19	0.42			
1018/1067/PP1-TEMP (11)	Olefins I and II Flares MSS	CO	513.54	26.27	17, 19, 22, 23	17, 19, 22, 23	
		NO_x	71.24	3.55			
		VOC	949.97	39.05			

(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

NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cl_2 - chlorine
Chlorine compounds - hypochlorous acid and hydrogen chloride

(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.

(6) PP1 vents shall all be routed to one flare or the other.

(7) Total VOC emissions from the following emissions points: B-360, F-367, F-368, F-387A, F-575, F-705, F-706A, F-706B, F-781A, F-711A, F-711G, F-711B, F-975, and T-367.

(8) Total VOC emissions from the following emissions points: B-460, F-467, F-468, F-487A, F-575, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-781B, F-975, and T-467.

(9) Total VOC emissions from the following emissions points: B-560, F-541, F-567, F-568, F-587A, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-781C, F-975, and T-567.

(10) Total VOC emissions from the following emissions points: B-760, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-741, F-767, F-768, F-787, F-787A, F-975, F-981, and T-767.

(11) The Olefins I and II Flares MSS emissions include emissions from the Olefins I Flare (EPN 1018) Olefins II Flare (EPN 1067) and portable flare (EPN PP1-TEMP).

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
1018/1067	Olefins I and II Flares Elevated Flares (6)	NO_x	2.81	6.11	4, 5, 8, 9, 21, 24, 25, 29, 30, 33, 37, 50, 55, 59	8, 9, 10, 21, 22, 23, 24, 25, 29, 30, 37, 38, 50, 51, 52, 53, 55, 56, 59	4, 5, 21, 30, 33, 50
		CO	14.37	31.27			
		VOC	15.16	10.83			
		SO_2	0.02	0.05			
1018/1067 / PP2-TEMP	Olefins I and II Flares – MSS Contribution	NO_x	140.22	2.47	22, 23, 24, 26, 29, 30	22, 23, 24, 26, 29, 30	
		CO	899.55	15.80			
		VOC	718.09	22.06			
1018/1067	Olefins I and II Flares Elevated Flares Product Transition	NO_x	13.16	0.75	4, 5, 8, 9, 21, 30, 33, 37, 50, 55	4, 5, 8, 9, 10, 21, 30, 33, 37, 38, 50, 55	4, 5, 21, 30, 33, 50
		CO	81.58	4.64			
		VOC	116.28	6.58			
PP2-FUG	Fugitives, PP-2 Unit (5)	VOC	8.01	35.09	4, 5, 14, 15, 33, 44	4, 5, 14, 15, 33, 44	4, 5, 14, 33
		Cl_2	0.01	0.05			
Train No. 1 and Train No. 2							
D-407	Peroxide Drum	VOC	0.01	0.01	5	5	
F-400	Vacuum Cleaner Bag Filter	PM	0.03	0.11	6	6	
		PM_{10}	0.03	0.11			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.03	0.11			
F-402	Masterbatch Vent Bag Filter	PM	0.02	0.09	6	6	
		PM_{10}	0.02	0.09			
		$PM_{2.5}$	0.02	0.09			
		VOC	0.02	0.06			
F-403	Off Pellet Bag Filter	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
F-987	Railcar Vacuum Cleaning System	PM	0.02	0.08	6	6	
		PM_{10}	0.02	0.08			
		$PM_{2.5}$	0.02	0.08			
PP2-CT	Cooling Tower	VOC	1.32	5.77	5, 16, 17	5, 16, 17	5, 16
		PM	1.09	4.79			
		PM_{10}	0.40	1.74			
		$PM_{2.5}$	0.01	0.01			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		Chlorine Compounds	<0.01	<0.01			
PP2-T1	Downstream Pellet Handling PP-2, Train No. 1 (7)	VOC	6.37	5.60	5, 13, 20	5, 11, 13, 20	5
PP2-T2	Downstream Pellet Handling PP-2, Train No. 2 (8)	VOC	6.37	5.60	5, 13, 20	5, 11, 13, 20	5
1F-404	Additive Hopper Vent Bag Filters	PM	0.02	0.02	6	6	6
		PM_{10}	0.02	0.02			
		$PM_{2.5}$	0.02	0.02			
1F-405	Vent Bag Filter, Train No. 1	PM	0.12	0.48	6	6	
		PM_{10}	0.12	0.48			
		$PM_{2.5}$	0.12	0.48			
		VOC	0.74	3.23			
1F-406B	Vent Hopper Sock, Train No. 1	PM	0.01	0.04	6	6	
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.01	0.04			
1F-501		PM	0.49	1.95	6	6	

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Blending Silos Bag Filter, Train No. 1	PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
1F-982	Elutriator Bag Filter, Train No. 1	PM	0.98	3.89	6	6	
		PM_{10}	0.98	3.89			
		$PM_{2.5}$	0.98	3.89			
1F-985	Railcar Bag Filter Train No. 1	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
1S-404	Dryer Train No. 1	PM	0.51	1.99	6	6	
		PM_{10}	0.51	1.99			
		$PM_{2.5}$	0.51	1.99			
1S-405	Classifier	PM	0.04	0.18	6	6	
		PM_{10}	0.04	0.18			
		$PM_{2.5}$	0.04	0.18			
2F-405	Vent Bag Filter, Train No. 2	PM	0.12	0.48	6	6	
		PM_{10}	0.12	0.48			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.12	0.48			
		VOC	0.74	3.23			
2F-406B	Vent Hopper Sock	PM	0.01	0.04	6	6	
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.01	0.04			
2F-501	Blending Silos Bag Filter, Train No. 2	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			
2F-982	Elutriator Bag Filter, Train No. 2	PM	0.98	3.89	6	6	
		PM_{10}	0.98	3.89			
		$PM_{2.5}$	0.98	3.89			
2F-985	Railcar Bag Filter Train No. 2	PM	0.49	1.95	6	6	
		PM_{10}	0.49	1.95			
		$PM_{2.5}$	0.49	1.95			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
2S-404	Dryer Train No. 2	PM	0.51	1.99	6	6	
		PM_{10}	0.51	1.99			
		$PM_{2.5}$	0.51	1.99			
2S-405	Classifier	PM	0.04	0.18	6	6	
		PM_{10}	0.04	0.18			
		$PM_{2.5}$	0.04	0.18			
Train No. 3							
PP2-3F405	Vent Bag Filter	PM	0.16	0.63	33, 35, 48	33, 35, 48	33, 48
		PM_{10}	0.03	0.13			
		$PM_{2.5}$	0.01	0.05			
		VOC	0.61	2.43			
PP2-3F406B	Vent Hopper Sock	PM	0.01	0.04	35, 48	35, 48	48
		PM_{10}	<0.01	<0.01			
		$PM_{2.5}$	<0.01	<0.01			
PP2-3F982	Elutriator Bag Filter	PM	1.30	5.16	35, 48	35, 48	48
		PM_{10}	0.26	1.03			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.10	0.41			
PP2-3F985	Railcar Bag Filter	PM	0.71	2.83	35, 48	35, 48	48
		PM_{10}	0.14	0.57			
		$PM_{2.5}$	0.06	0.23			
PP2-3F987	Railcar Vacuum	PM	0.02	0.08	35, 48	35, 48	48
		PM_{10}	<0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
PP2-3S404	Dryer Train No. 3	PM	0.67	2.64	35	35	
		PM_{10}	0.13	0.53			
		$PM_{2.5}$	0.05	0.21			
PP2-3S405	Classifier	PM	0.01	0.05	35	35	
		PM_{10}	<0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
PP2-3F501	Silo Bag Filter	PM	0.70	2.78	35, 48	35, 48	48
		PM_{10}	0.14	0.56			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.06	0.22			
PP2-3F400	Vacuum Cleaner Bag Filter	PM	0.03	0.11	35, 48	35, 48	48
		PM_{10}	0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
PP2-3F402	Masterbatch Vent Bag Filter	PM	0.02	0.09	33, 35, 48	33, 35, 48	33, 48
		PM_{10}	<0.01	0.02			
		$PM_{2.5}$	<0.01	0.01			
		VOC	0.02	0.08			
PP2-3F403	Off Pellet Vent Bag Filter	PM	0.49	1.94	35, 48	35, 48	48
		PM_{10}	0.10	0.39			
		$PM_{2.5}$	0.04	0.15			
PP2-CT3	PP2 Train 3 Cooling Tower	Chlorine Compounds	<0.01	<0.01	34, 45, 46	34, 45, 46	34
		PM	1.25	5.46			
		PM_{10}	0.45	1.98			
		$PM_{2.5}$	< 0.01	0.01			

Major NSR Summary Table

Permit Number 91780 and PSDTX1240					Issuance Date: September 23, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		VOC	1.50	6.58			
PP2-T3	Train 3 - Downstream Pellet Handling (9)	VOC	8.75	6.90	33, 34, 49	33, 34, 41, 49	33, 34
PP2-3D407	Peroxide Dip Pot	VOC	<0.01	<0.01	33, 34, 42, 54	33, 34, 42, 54	33, 34
Maintenance, Startup, and Shutdown (MSS) – Train Nos. 1, 2, and 3							
PP2-MAINT	MSS to Atmosphere	VOC	202.88	3.61	24, 25, 29, 52, 53, 55, 59	22, 23, 24, 25, 29, 51, 52, 53, 55, 56, 59	
		PM	3.94	0.24			
		PM_{10}	3.94	0.24			
		$PM_{2.5}$	3.94	0.24			

(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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cl_2 - chlorine
(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.

(6) PP II vents shall be rerouted to one flare or the other.
(7) Total VOC emissions from the following emission points: F-403, 1F-406B, 1F-501, 1F-982, 1F-985, 1S-404 and 1S-405.
(8) Total VOC emissions from the following emission points: F-403, 2F-406B, 2F-501, 2F-982, 2F-985, 2S-404 and 2S-405.
(9) Total VOC emissions from the following emission points: PP2-3F403, PP2-3F501, PP2-3S405, PP2-3F985, PP2 3F982, PP2-3F406B, and PP2-3S404

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
1018/1067	Olefins I and II Flares (6)	CO	15.40	42.79	3, 6, 10, 11, 15, 16, 17, 18, 22, 23	3, 5, 6, 10, 11, 14, 17, 18, 22, 23	3, 10, 17
		NO_x	3.02	8.40			
		SO_2	0.01	0.06			
		VOC	12.47	18.48			
B-242	Co-Catalyst Area Dip Pot	VOC	0.03	0.01	3	3	3
B-292A	Peroxide Dip Pot	VOC	0.05	0.01	3	3	3
B-292B	Peroxide Dip Pot	VOC	0.05	0.01	3	3	3
B-360	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
B-406	Catalyst Slurry Prep System Dip Pot	VOC	0.05	0.01	3	3	3
B-460	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
B-560	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
B-760	Pellet Buffer Vessel	PM	0.01	0.06	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-343	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-346	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-367	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-368	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-387A	Silos Cyclone Separator, Train No. 1	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-443	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-446	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-467	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.01	0.02			
F-468	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-487A	Silos Cyclone Separator, Train No. 2	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-541	500 Line-Off Spec Silo Bag Filter	PM	0.20	0.86	4	4	4
		PM_{10}	0.04	0.17			
		$PM_{2.5}$	0.04	0.16			
F-543	Powder Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.04	0.06			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-546	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-567	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-568	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-575	300/400 Line - Off Spec Silo Bag Filter	PM	0.59	2.29	4	4	4
		PM_{10}	0.12	0.46			
		$PM_{2.5}$	0.11	0.41			
F-587A	Silos Cyclone Separator, Train No. 3	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-705	Auto Packer Cyclone	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.02	0.11			
F-706A	Truck Silo Cyclone	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-706B	Auto Packer Cyclone	PM	0.16	0.69	4	4	4
		PM_{10}	0.03	0.14			
		$PM_{2.5}$	0.03	0.12			
F-711A	Hopper Silo Cyclone, Train No. 1	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-711B	PP1 Railcar Vacuum Cleaning System	PM	0.14	0.59	4	4	4
		PM_{10}	0.03	0.12			
		$PM_{2.5}$	0.02	0.11			
F-711G	Streamer Remover Bag Filter, Train No. 4	PM	0.40	1.59	4	4	4
		PM_{10}	0.08	0.32			
		$PM_{2.5}$	0.07	0.29			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-741	700 Line Off Spec Silo Bag Filter	PM	0.12	0.48	4	4	4
		PM_{10}	0.02	0.10			
		$PM_{2.5}$	0.02	0.09			
F-743	Additive Vent Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.01	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-743A	Powder Vent Bag Filter	VOC	0.01	0.01	4	4	4
		PM	0.01	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-746	Additive Feed Conveying Gas Filter	VOC	0.01	0.01	4	4	4
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 A	Bag Dumping Unit	PM	0.02	0.01	4	4	4

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 B	Bag Dumping Unit	PM	0.02	0.01	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-747 C	Bag Dumping Unit	PM	0.02	0.01	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-767	Pellet Water Pre-separator Sieve	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-768	Classifier	PM	0.03	0.14	4	4	4
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	0.01	0.02			
F-781A	Product Silo Cyclone Train No. 1	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.07	0.30			
F-781B	Product Silo Cyclone Train No. 2	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			
		$PM_{2.5}$	0.07	0.30			
F-781C	Product Silo Cyclone Train No. 3	PM	0.38	1.64	4	4	4
		PM_{10}	0.08	0.33			
		$PM_{2.5}$	0.07	0.30			
F-787	Silo Air Filters Train No. 4	PM	0.48	1.87	4	4	4
		PM_{10}	0.10	0.37			
		$PM_{2.5}$	0.09	0.34			
F-787A	Silos Cyclone Separator, Train No. 4	PM	0.40	1.06	4	4	4
		PM_{10}	0.08	0.21			
		$PM_{2.5}$	0.07	0.19			
F-875	B Train Loading Station Cyclone Separator	PM	0.30	0.61	4	4	4
		PM_{10}	0.06	0.12			
		$PM_{2.5}$	0.05	0.11			

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
F-902	Filter Receiver	PM	0.03	0.07	4	4	4
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
F-975	C Train Loading Station Cyclone Separator	PM	0.30	0.61	4	4	4
		PM_{10}	0.06	0.12			
		$PM_{2.5}$	0.05	0.11			
F-981	Product Silo Air Cyclone Train No. 4	PM	1.01	3.98	4	4	4
		PM_{10}	0.20	0.80			
		$PM_{2.5}$	0.18	0.72			
PO-CT	Cooling Tower	VOC	1.32	5.79	12	12	12
		PM	0.86	2.40			
		PM_{10}	0.20	0.87			
		$PM_{2.5}$	0.01	0.01			
		Chlorine compounds	0.01	0.01			

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
PP1-300	Downstream Pellet Handling PP-1, Train No. 1 (7)	VOC	3.30	3.64	3, 13	3, 7, 9, 13	3
PP1-400	Downstream Pellet Handling PP-1, Train No. 2 (8)	VOC	3.46	3.77	3, 13	3, 7, 9, 13	3
PP1-500	Downstream Pellet Handling PP-1, Train No. 3 (9)	VOC	2.87	3.79	3, 13	3, 7, 9, 13	3
PP1-700	Downstream Pellet Handling PP-1, Train No. 4 (10)	VOC	1.27	3.55	3, 13	3, 7, 9, 13	3
PP1-CT	Cooling Tower	VOC	0.44	1.93	12	12	12
		PM	0.29	0.80			
		PM_{10}	0.07	0.29			
		$PM_{2.5}$	0.01	0.01			
		Chlorine compounds	0.01	0.01			
PP1-FUG	Fugitives PP-1 Unit (5)	VOC	13.19	57.76	3, 10, 11	3, 10, 11	3, 10
		PM	0.05	0.27			
		PM_{10}	0.05	0.27			

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		$PM_{2.5}$	0.05	0.27			
		Cl_2	0.01	0.02			
T-367	Dryer Train No. 1	PM	0.33	1.21	4	4	4
		PM_{10}	0.07	0.24			
		$PM_{2.5}$	0.06	0.22			
T-467	Dryer Train No. 2	PM	0.45	1.89	4	4	4
		PM_{10}	0.09	0.38			
		$PM_{2.5}$	0.08	0.34			
T-567	Dryer Train No. 3	PM	0.33	1.21	4	4	4
		PM_{10}	0.07	0.24			
		$PM_{2.5}$	0.06	0.22			
T-767	Dryer Train No. 4	PM	0.41	1.76	4	4	4
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.07	0.32			
Planned Maintenance, Startup and Shutdown (MSS)							
PP1-MAINT	MSS to Atmosphere	VOC	102.27	1.81		14,15,16,17,18,22,23	

Major NSR Summary Table

Permit Numbers: 19200 and PSDTX1237					Issuance Date: April 1, 2021		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM	3.19	0.42	14, 15, 16, 17, 18, 22, 23		
		PM_{10}	3.19	0.42			
		$PM_{2.5}$	3.19	0.42			
1018/1067/PP1-TEMP (11)	Olefins I and II Flares MSS	CO	513.54	26.27	17, 19, 22, 23	17, 19, 22, 23	
		NO_x	71.24	3.55			
		VOC	949.97	39.05			

(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
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cl_2 - chlorine
Chlorine compounds - hypochlorous acid and hydrogen chloride
(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.
(6) PP1 vents shall all be routed to one flare or the other.
(7) Total VOC emissions from the following emissions points: B-360, F-367, F-368, F-387A, F-575, F-705, F-706A, F-706B, F-781A, F-711A, F-711G, F-711B, F 975, and T-367.
(8) Total VOC emissions from the following emissions points: B-460, F-467, F-468, F-487A, F-575, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-781B, F 975, and T-467.
(9) Total VOC emissions from the following emissions points: B-560, F-541, F-567, F-568, F-587A, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-781C, F-975, and T-567.

(10) Total VOC emissions from the following emissions points: B-760, F-705, F-706A, F-706B, F-711A, F-711B, F-711G, F-741, F-767, F-768, F-787, F-787A, F-975, F-981, and T-767.

(11) The Olefins I and II Flares MSS emissions include emissions from the Olefins I Flare (EPN 1018) Olefins II Flare (EPN 1067) and portable flare (EPN PP1-TEMP).

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
6/26/2024	O1956	100218973

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
B615	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B810	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		
B820	R5211-1	OTHER	NONE		VOC2	UNLOAD	1.5-		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 1)
Federal Operating Permit Program

Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: CB-0038-Q	RN No.: 100218973	CN: 600130017
Permit No.: O1956	Project No.: 36645	
Area Name: Polypropylene Plant		
Company Name: Formosa Plastics Corporation, Texas		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: D-107, D-108, B620		
Applicable Form: OP-UA14		
III. Applicable Regulatory Requirement		
Name: 30 TAC 115		
SOP/GOP Index No.: R5131-1		
Pollutant: VOC		
Main Standard:115.132(c)(3)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-09		
Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10000 ppmv.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: N/A		
Control Device Type: N/A		

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 8)
Federal Operating Permit Program

Table 5a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	Ammonium Sulfate	Other Operations	63.100 CMPU	G2/<1000 Lb/Yr	2525E1
1018	63FFFF-1	NO	YES	NO	NO	
1067	63FFFF-1	NO	YES	NO	NO	
D-106	63FFFF-1	NO	YES	NO	NO	
1F-405	63FFFF-1	NO	YES	NO	NO	
2F-405	63FFFF-1	NO	YES	NO	NO	
PP2-3F405	63FFFF-1	NO	YES	NO	NO	
C-352A/B	63FFFF-1	NO	YES	NO	NO	
D-101	63FFFF-1	NO	YES	NO	NO	
D-102	63FFFF-1	NO	YES	NO	NO	
D-103	63FFFF-1	NO	YES	NO	NO	

Process ID No.	SOP Index No.	Ammonium Sulfate	Other Operations	63.100 CMPU	G2/<1000 Lb/Yr	2525E1
D-107	63FFFF-1	NO	YES	NO	NO	
D-108	63FFFF-1	NO	YES	NO	NO	
D-910	63FFFF-1	NO	YES	NO	NO	
3C-352A/B	63FFFF-1	NO	YES	NO	NO	
3D-101	63FFFF-1	NO	YES	NO	NO	
3D-102	63FFFF-1	NO	YES	NO	NO	
3D-103	63FFFF-1	NO	YES	NO	NO	
3D-109	63FFFF-1	NO	YES	NO	NO	
F-402	63FFFF-1	NO	YES	NO	NO	
PP2-3F402	63FFFF-1	NO	YES	NO	NO	
PP2-FUG	63FFFF-1	NO	YES	NO	NO	
PRU UNIT	63FFFF-1	NO	YES	NO	NO	

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 9)
Federal Operating Permit Program

Table 5b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	Startup 2003	Shared Batch Vent	PUG	Startup 2002	PP Alt	Cont Proc
1018	63FFFF-1	YES	NO	NO	YES	NO	
1067	63FFFF-1	YES	NO	NO	YES	NO	
D-106	63FFFF-1	YES	NO	NO	YES	NO	
1F-405	63FFFF-1	YES	NO	NO	YES	NO	
2F-405	63FFFF-1	YES	NO	NO	YES	NO	
PP2-3F405	63FFFF-1	NO	NO	NO	NO	NO	
C-352A/B	63FFFF-1	YES	NO	NO	YES	NO	
D-101	63FFFF-1	YES	NO	NO	YES	NO	
D-102	63FFFF-1	YES	NO	NO	YES	NO	
D-103	63FFFF-1	YES	NO	NO	YES	NO	

Process ID No.	SOP Index No.	Startup 2003	Shared Batch Vent	PUG	Startup 2002	PP Alt	Cont Proc
D-107	63FFFF-1	YES	NO	NO	YES	NO	
D-108	63FFFF-1	YES	NO	NO	YES	NO	
D-910	63FFFF-1	YES	NO	NO	YES	NO	
3C-352A/B	63FFFF-1	YES	NO	NO	YES	NO	
3D-101	63FFFF-1	YES	NO	NO	YES	NO	
3D-102	63FFFF-1	YES	NO	NO	YES	NO	
3D-103	63FFFF-1	YES	NO	NO	YES	NO	
3D-109	63FFFF-1	YES	NO	NO	YES	NO	
F-402	63FFFF-1	YES	NO	NO	YES	NO	
PP2-3F402	63FFFF-1	NO	NO	NO	NO	NO	
PP2-FUG	63FFFF-1	YES	NO	NO	YES	NO	
PRU UNIT	63FFFF-1	YES	NO	NO	YES	NO	

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 10)
Federal Operating Permit Program

Table 5c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	>1000 Lb/Yr	Reduction	New Source	HAP Metals	Fabric Filter	Small CD	Design Eval	Batch Proc Vents
1018	63FFFF-1	NO		NO					No
1067	63FFFF-1	NO		NO					No
D-108	63FFFF-1	NO		NO					No
1F-405	63FFFF-1	NO		NO					No
2F-405	63FFFF-1	NO		NO					No
PP2-3F405	63FFFF-1	NO		NO					No
C-352A/B	63FFFF-1	NO		NO					No
D-101	63FFFF-1	NO		NO					No
D-102	63FFFF-1	NO		NO					No
D-103	63FFFF-1	NO		NO					No
D-106	63FFFF-1	NO		NO					No
D-107	63FFFF-1	NO		NO					No
D-108	63FFFF-1	NO		NO					No

Process ID No.	SOP Index No.	>1000 Lb/Yr	Reduction	New Source	HAP Metals	Fabric Filter	Small CD	Design Eval	Batch Proc Vents
D-910	63FFFF-1	NO		NO					No
3C-352A/B	63FFFF-1	NO		NO					No
3D-101	63FFFF-1	NO		NO					No
3D-102	63FFFF-1	NO		NO					No
3D-103	63FFFF-1	NO		NO					No
3D-109	63FFFF-1	NO		NO					No
F-402	63FFFF-1	NO		NO					No
PP2-3F402	63FFFF-1	NO		NO					No
PP2-FUG	63FFFF-1	NO		NO					No
PRU UNIT	63FFFF-1	NO		NO					No

From: eNotice TCEQ
To: Lois.Kolkhorst@senate.texas.gov; JM.lozano@house.texas.gov
Subject: TCEQ Notice - Permit Number O1956
Date: Wednesday, May 22, 2024 9:35:35 AM
Attachments: TCEQ Notice - O1956_36645.pdf

This email is being sent to electronically transmit an official document issued by the Office of Air of the Texas Commission on Environmental Quality.

This email is being sent to you because either (a) you filed a document with the Office of the Chief Clerk that made you part of the official mailing list for the above referenced matter, or (b) notice to you is legally required. As authorized by Texas Water Code 5.128, this electronic transmittal is replacing the previous practice of hard copy distribution. Amendments to Texas Government Code 552.137 prompted a change to the agency's privacy policy regarding confidentiality of certain email addresses. The revised privacy policy can be viewed at http://www.tceq.state.tx.us/help/policies/electronic_info_policy.html.

Questions regarding this email may be submitted either by replying directly to this email or by calling Mr. Jesse Chacon, P.E. with the Air Permits Division at (512) 239-5759.

The attached document is provided in an Adobe Acrobat .pdf format. If you cannot display the attachment, you may need to visit the Adobe web site (http://get.adobe.com/reader) to download the free Adobe Acrobat Reader software.

Congressman Michael Cloud
U.S. Congressional District 27

Representative J. M. Lozano
Texas House District 43

Senator Lois W. Kolkhorst
Texas Senate District 18

Mr. LJ Francis
State Board of Education District 2

Senator John Cornyn
U.S. Senate

Senator Ted Cruz
U.S. Senate

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Calhoun County Public Library

Website for **Calhoun County** Public **Library**, located in Port Lavaca, Texas, and branch **libraries** located in Seadrift, Point Comfort and Port O'Connor.
Hours of Operation · Seadrift Library Branch · Port O'Connor Library Branch · About

Calhoun County Library
https://calhouncountylibrary.org

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https://calhouncounty.biblionix.com

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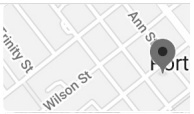

See photos

Calhoun County Library

Website Directions Save

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Phone: (361) 552-7323

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Questions & answers

See all questions (5)

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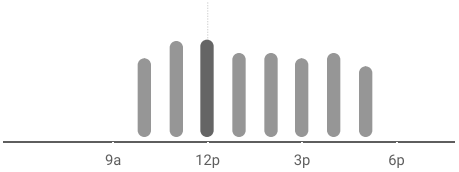

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 22, 2024

THE HONORABLE LOIS KOLKHORST
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36645
Permit Number: O1956
Formosa Plastics Corporation, Texas
Polypropylene Plant
Point Comfort, Calhoun County
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017

Dear Senator Kolkhorst:

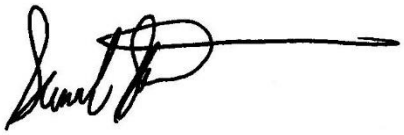
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.547222,28.688888&level=13.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site. The FOP identifies and codifies air emission requirements (known as applicable requirements) that apply to the emission units at the site. The FOP does not authorize construction of emission units or emissions from those units. The New Source Review (NSR) permit is the mechanism for these authorizations.

Re: Accepted Federal Operating Permit Renewal Application

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,



Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 22, 2024

THE HONORABLE JOSE M LOZANO
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36645
Permit Number: O1956
Formosa Plastics Corporation, Texas
Polypropylene Plant
Point Comfort, Calhoun County
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017

Dear Representative Lozano:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.547222,28.688888&level=13.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site.

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

From: Richard Suniga
To: Richard Suniga
Cc: Johnny Bowers
Subject: FW: STEERS Title V Application Submittal (New Application)
Date: Wednesday, May 15, 2024 4:22:18 PM

Please Process.

Thank you,
Richard Suniga
APIRT
.5325

-----Original Message-----
From: steers@tceq.texas.gov <steers@tceq.texas.gov>
Sent: Tuesday, May 14, 2024 3:17 PM
To: RFCAIR14 <rfcair14@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 KEN MOUNGER. The submittal was received at 05/14/2024 03:17 PM.

The Reference number for this submittal is 654202

The confirmation number for this submittal is 540288.
The Area ID for this submittal is 1956.
The Project ID for this submittal is 36645.
The hash code for this submittal is D8224FEE9096AB407762A59F4CF749BEE4258D5097919AE3A7F7F84213AD4BB8.

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.

Formosa Plastics®

Formosa Plastics Corporation, Texas
201 Formosa Drive • P.O. Box 700
Point Comfort, TX 77978
Telephone: (361) 987-7000

May 14, 2024

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
TCEQ Air Quality Account Number: CB-0038-Q
Customer Reference Number: CN600130017
Regulated Entity Number: RN100218973
Polypropylene Plants Title V Permit Number O1956
Permit Renewal and Significant Revision Application

To Whom It May Concern:

Pursuant to 30 TAC §122.241, Formosa Plastics Corporation, Texas (FPC TX) hereby submits a permit renewal application for the Polypropylene Plants (PP I and PP II) Title V Operating Permit Number O1956 at our Calhoun County, Point Comfort complex. The significant revision is to add visible emission inspections to the cooling towers.

Please find attached the renewal application and an OP-CRO1 form certifying these changes.

Should you have any questions, please contact Mrs. LeAnn Usoff at LeAnnU@ftpc.fpcusa.com.

Sincerely,

Mike Rivet

Digitally signed by Mike Rivet
DN: cn=Mike Rivet, o=FPCTX, ou=GMO, email=mikerivet@ftpc.fpcusa.com, c=US
Date: 2024.05.14 09:23:50 -05'00'

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

Enclosures

CC: Electronic Delivery via STEERS
Air Program Manager, Region 14
Texas Commission on Environmental Quality
500 North Shoreline Blvd, Ste 500
Corpus Christi, Texas 78401-0318
(Copy of the Application)

EPA Region VI Office
Electronic Delivery: R6AirPermitsTX@epa.gov

Formosa Plastics Corporation Texas Polypropylene Plant

Title V Operating Permit O1956 Renewal Application

Prepared for:

Formosa Plastics Corporation, Texas

Prepared by:

SLR International Corporation

SLR Project No.: 120.21134.00001

May 2024

Making Sustainability Happen

Table of Contents

Figures in Text

Appendices

1.0 Introduction

Formosa Plastics Corporation, Texas (Formosa) owns and operates the Polypropylene Plant in Point Comfort, Calhoun County under the authorization of Title V Site Operating Permit (SOP) Number O1956. The Linear Low-Density Polypropylene (LLDPE), High Density Polypropylene (HDPE I), and High-Density Polypropylene II (HDPE II) Plants react ethylene with a variety of catalysts, co-catalysts, and co-monomers to create a Polypropylene powder that is melted and extruded to create pellets for export.

Formosa submitted its previous SOP renewal application on July 14, 2017 and received its effective SOP from the Texas Commission on Environmental Quality (TCEQ) on November 15, 2019. Formosa is submitting this Title V SOP renewal and significant revision application to request permit renewal prior to expiration. The significant revision is to add case by case monitoring to the four cooling towers.

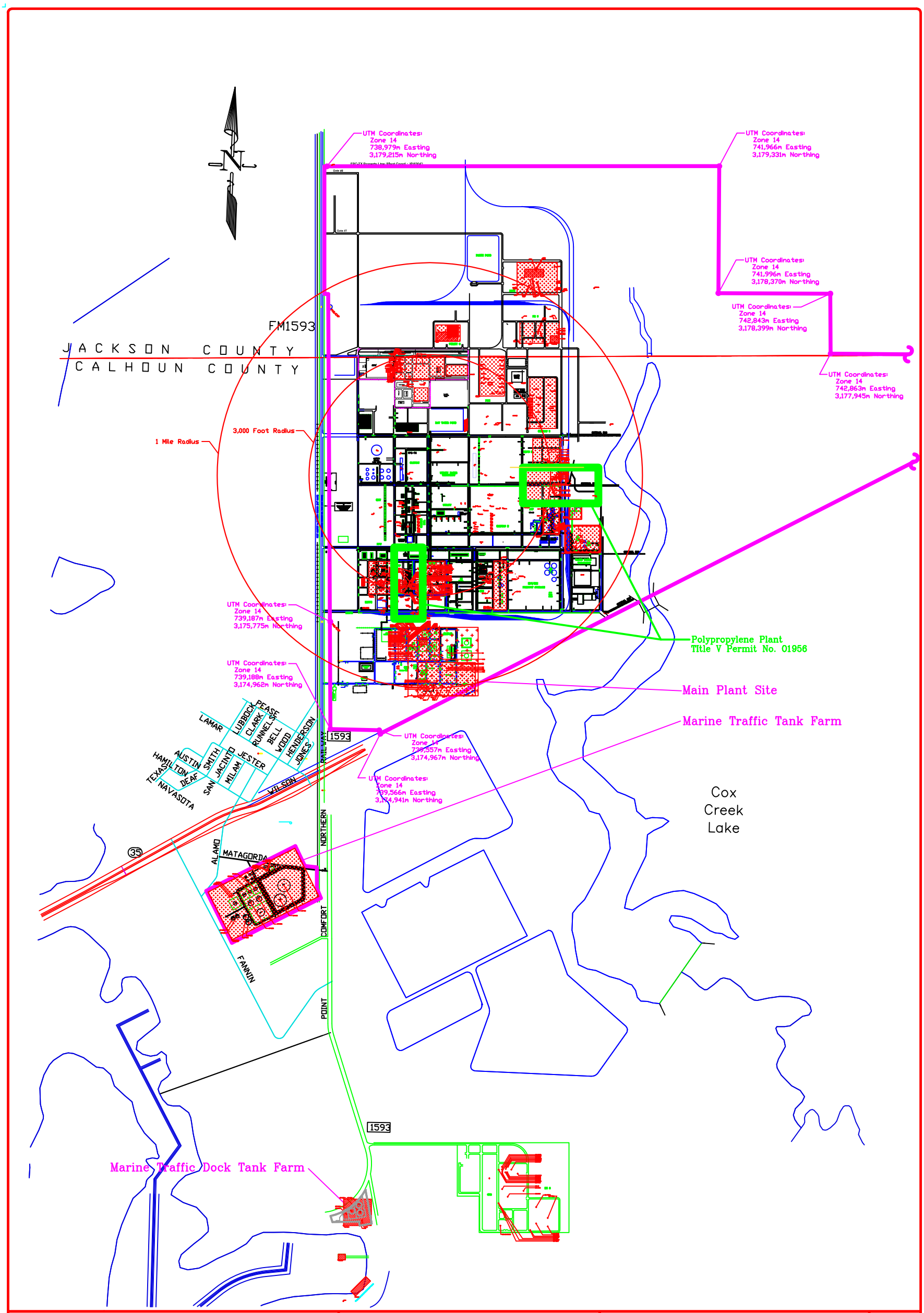
This application is being submitted according to the timeline required for SOP renewals specified in 30 TAC §122.133(4) and contains the following updated information required by the SOP application procedures specified in 30 TAC §122.132:

- Site location map and plot plan with emission units designated;
- Description of the processes and associated process flow diagrams;
- General and administrative forms OP-CRO1, OP-1, OP-2, OP-SUMR, OP-PBRSUP, and OP-ACPS (Appendix A);
- Area-wide applicable requirements forms OP-REQ1 (Appendix B);
- Monitoring forms (Appendix C);
- Unit attribute forms OP-UA4, OP-UA7, OP-UA12, OP-UA13, OP-UA15, OP-UA28, and OP-UA60 (Appendix D); and
- Alternate Method of Compliance Correspondence (Appendix E).

Sections 2.0, 3.0, and 4.0 of this application include site descriptive information such as the site location map, plot plan, and process information. Section 5.0 and the related appendices include the necessary TCEQ application forms.

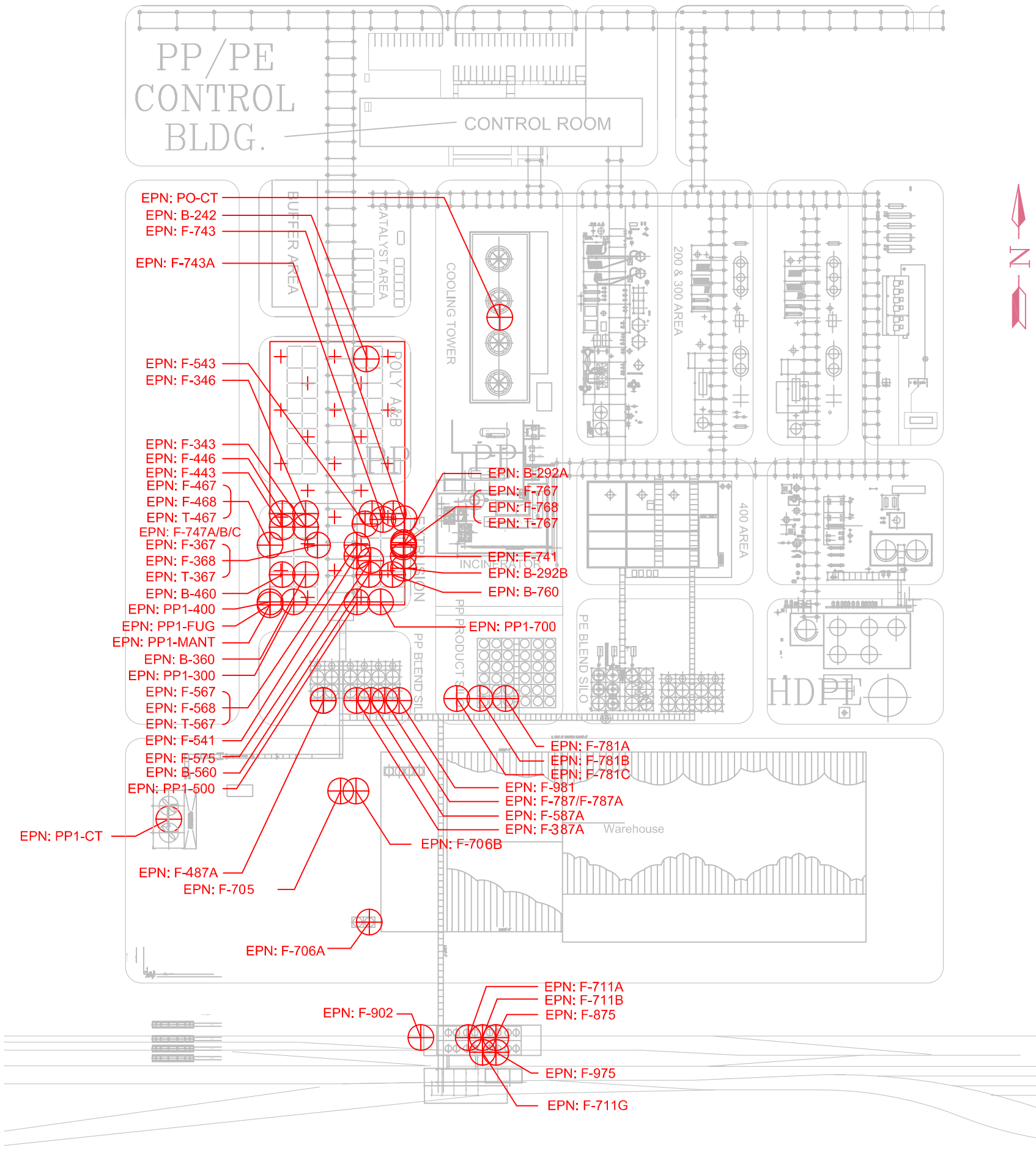
2.0 Site Map

The Formosa Point Comfort Polypropylene Plant is located at 201 Formosa Drive in Point Comfort, Calhoun County. The area map depicting the complex location with respect to other geographical sites within 3,000-foot and one-mile radii is included in Figure 2-1.


UTM Coordinates:
Zone 14
738,979m Easting
3,179,215m Northing
UTM Coordinates:
Zone 14
741,966m Easting
3,179,331m Northing
UTM Coordinates:
Zone 14
741,996m Easting
3,178,370m Northing
UTM Coordinates:
Zone 14
742,843m Easting
3,178,399m Northing
UTM Coordinates:
Zone 14
742,863m Easting
3,177,945m Northing
FM1593
JACKSON COUNTY
CALHOUN COUNTY
3,000 Foot Radius
1 Mile Radius
UTM Coordinates:
Zone 14
739,187m Easting
3,175,775m Northing
UTM Coordinates:
Zone 14
739,188m Easting
3,174,962m Northing
Polypropylene Plant
Title V Permit No. 01956
Main Plant Site
Marine Traffic Tank Farm
UTM Coordinates:
Zone 14
739,557m Easting
3,174,967m Northing
UTM Coordinates:
Zone 14
739,566m Easting
3,174,941m Northing
Cox
Creek
Lake
LAMAR
LUBBOCK
PEASE
CLARK
RUNNELS
BELL
WOOD
HENDERSON
JONES
AUSTIN
SMITH
JACINTO
JESTER
MILAM
HAMILTON
TEXAS
DEAF
SAN
NAVASOTA
WILSON
RAILWAY
NORTHERN
ALAMO
MATAGORDA
COMFORT
FANNIN
POINT
1593
35
Marine Traffic Dock Tank Farm
Formosa Plastics
OVERALL VIEW
SHEET LAYOUT
DESCRIPTION:
DRAWN BY : DWD
CHECKED BY: G.A.G.
APPROVED BY: G.A.G.
SCALE: 1" = 1000'
DATE: 8/01/95
JOB NO. PC95-042
REFERENCE FILES
Polypropylene Plant
Area Map-Overall Plot Plan
PROJECT:
FORMOSA PLASTICS CORP. TEXAS
CLIENT:
SHEET
1
OF
1
PP Plant T5 Area Map-Overall 06.29.17.dwg

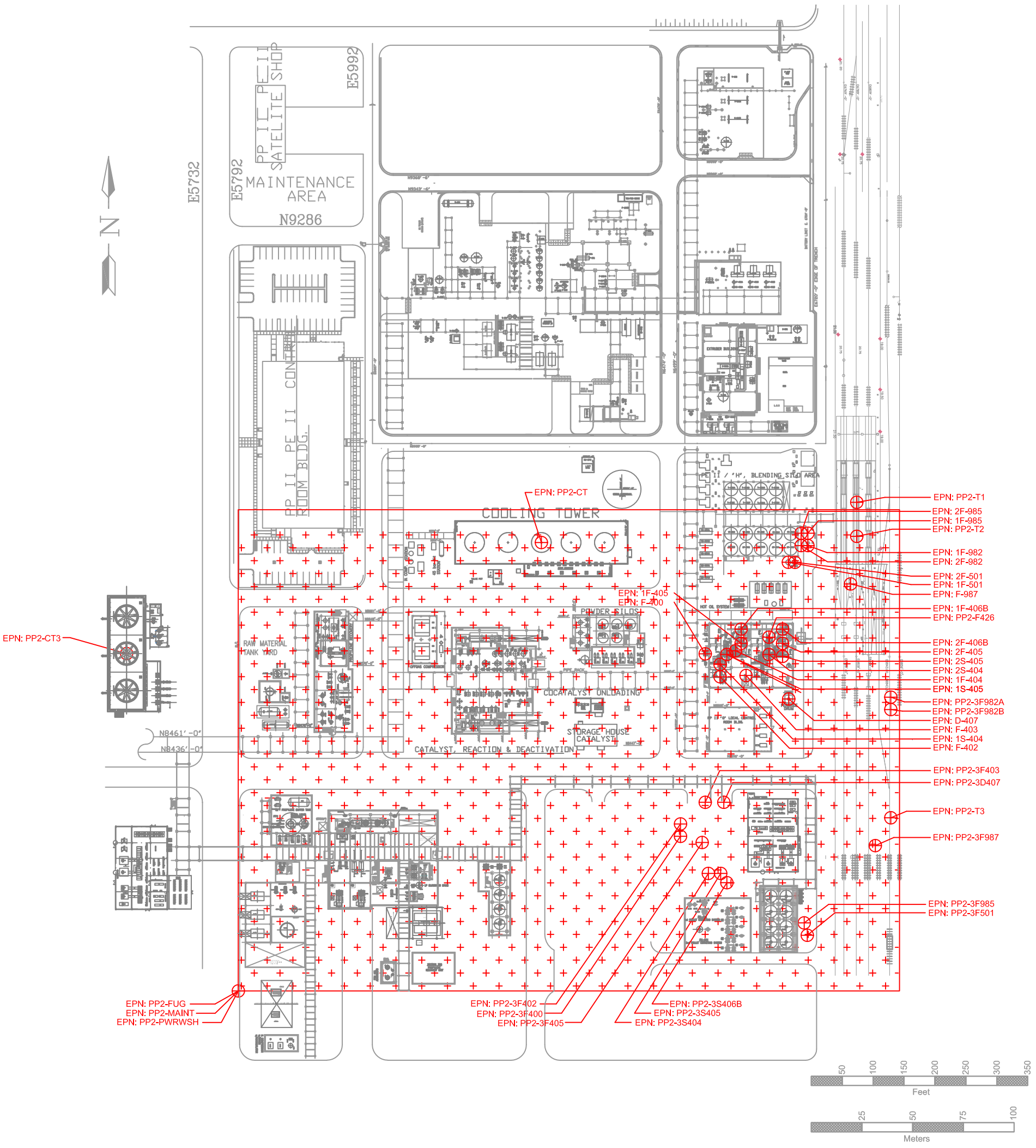
3.0 Plot Plan

This section includes Figures 3-1 to 3-2 which show the facility's boundary and site property lines in addition to the location of buildings, equipment, and process areas. The site plot plan includes a true north arrow, plant benchmarks, and a scale.



FORMOSA PLASTICS CORPORATION - TEXAS Point Comfort, Texas		Polypropylene I (PP I) Unit

PPI 02.09.16.dwg



FORMOSA PLASTICS CORPORATION - TEXAS Point Comfort, Texas		PP 2 UNIT

Filename: PP2 Plot Plan 09.26.18.dwg

4.0 Process Description and Flow Diagrams

The Polypropylene Plant, which consists of the Polypropylene I (PPI) Unit and Polypropylene II (PPII) Unit, produces polypropylene resin using the propylene supplied by the Olefins Plant. The Polypropylene I Unit utilizes NTH gas-phase reactor technology on four production lines. The Polypropylene II Unit utilizes Chisso/Amoco technology for its two production lines.

The following narrative describes the flow of materials through Polypropylene I Unit and Polypropylene II Unit as shown on the process flow diagrams (Figures 4-1a, 4-1b, 4-1c, 4-1d, 4-2a, 4-2b, and 4-2c) included at the end of this section.

4.1 Polypropylene I Unit

The PPI Plant utilizes NTH gas-phase reactor technology to produce polypropylene resin using propylene as the raw material. The PPI Plant has four independent production lines: 300, 400, 500, and 700.

Each production line has an independent Polymerization Area, Extrusion Area, and Product Pellet Silo Area. Common to all production lines are the Raw Material Tanks, Purification Area, Catalyst Preparation Area, and Product Pellet Loading Area.

Polymerization Area

Each production line has reaction vessel(s), a degassing vessel, and a purging vessel. The operation of the reaction vessel(s) differs for each production line as defined below. The degassing vessel and purging vessel operate the same for each production line.

Production Line 300 and 400

Production line 300 and 400 can operate either in single reactor mode or in series. For the single reactor mode, propylene (C) is feeding continuously to reaction vessel R300 or R400 to produce Homo Polymer, Random Co Polymer, or Impact/ Block Co-Polymer. The reaction vessels utilize a catalyst (B), cocatalyst (A), and silane. Mineral oil is utilized as a catalyst carrier for continuous flow to the reaction vessels. Hydrogen (E) is added to the reaction vessel to control the molecular weight of the polymer. A recycle line of propylene and hydrogen is cooled and returned to the reactor to control the reaction vessels temperature.

For series mode, the product from R3/400 is fed directly to R3/410 along with ethylene (V), propylene (C), and hydrogen (E) to produce block copolymer PP. Operation in series mode produces 30% more product (the increased product amount depends on the product's grade). The reactors cannot be operated in parallel due to capacity limitations in downstream equipment No additional catalyst is required in the second reactor because sufficient catalyst activity exists in the first reactor (R300 or R400). A recycle line of propylene and hydrogen is cooled and returned to the reactor to control the reactor's temperature.

Production Line 500 and 700

Production Line 5/700 can produce Homo Polymer or Random Co-Polymer. Propylene (C) is fed continuously to a single reactor, R5/700. In the case of making the Random polymer, ethylene (V) will add into the same reactor. The reaction vessel utilizes a catalyst (B), a co-catalyst (A), and silane. Mineral oil is utilized as a catalyst carrier for continuous flow to the reactor. Hydrogen (E) is added to the reaction vessels to control the molecular weight of the polymer. A recycle line of propylene and hydrogen is cooled and returned to the reactor to control the reactor's temperature.

Purge Gas / Degas Section (Lines 300, 400, 500, and 700)

A mixture of unreacted monomers and PP powder (F) is discharged from the reactors to the degassing vessel, where the monomers are separated from the PP. The PP powder (H) is discharged to the purging vessel where purge nitrogen (I) is added to further separate the monomers from the powder. The monomers from the degassing vessel (G) and the purge gas from the purging vessel (J) after Propylene Recovery are combined and sent to the Olefins Plant (Olefins I Unit, Olefins II Unit, or Propylene purification unit (PPU) in the Olefins plant).

Extrusion Area Silo Area and Product Pellet Loading Area

Each production line has extruders and Pellet driers. The PP powder (K) is conveyed via nitrogen from the purging vessel to the powder buffer silos, where it is metered into the extruders (M), along with additive (L). In the twin-screw extruders, the PP powder is melted by electrical/ steam heating through extruders along with additives, cooled down by cooling water, pelletized and sent out to the Pellet drier. Vent gases (O), including heptane, nitrogen, propylene, and water vapor are collected and cooled. Non-condensable gases are vented to Olefins Plant flares. The pellets are air dried in the drier and separated by size in the classifier. The drying air is discharged to the atmosphere. Pellets are sent to the Blending Silos for mixing to develop a homogeneous product.

Silo Area and Product Pellet Loading Area

From here, the pellets are sent to the Product Silos for temporary storage. From the product silos, PP pellets are delivered to various customers via railcars, truck lines, or packaged for warehouse shipments (Y).

4.2 Polypropylene II Unit

PPII utilizes Chisso/Amoco technology to produce polypropylene resin using propylene supplied from the Olefins Plant PPII has three independent production lines, Train Nos. 1, 2, and 3.

Each production line has an independent Polymerization Area, Extrusion Area, and Silo Area. Common to all production lines are the Raw Material Tanks. Common to Train No. 1 and Train No. 2 are the Purification Area and Catalyst Preparation Area. Train No. 3 has an independent Purification Area and Catalyst Preparation Area.

Purification Area

Raw materials of ethylene and hexane are purified in molecular sieve columns to remove methanol and moisture. When the impurity level of the raw propylene monomer does not meet the process requirements, the propylene is treated to remove water, methanol, sulfur compounds, carbon monoxides, carbon dioxide, and oxygen.

Polymerization Area

Each production line has reaction vessel(s) and a purging vessel. The operation of the reaction vessel(s) differs for each production line as defined below. The purging vessel operates the same for each production line.

Train No. 1

Train No. 1 operates with a single reactor to produce homopolymer or random copolymer. To produce homopolymer, propylene (Stream C) is fed continuously to reaction vessel 1R-201. The reaction vessel utilizes catalyst (Stream B), cocatalyst (Stream A), and Silane as a stereo modifier. Hexane (Stream D) is utilized as a carrier for continuous flow of the catalyst to the reaction vessels. Hydrogen (Stream E) is added to the reaction vessel to control the molecular weight of the polymer. Off-gas from the top of the reactor is passed through powder fines removal and then partially condensed. Both the liquid and vapor portions of this stream are returned to the reactor. The condensed liquid is recycled for temperature control, while the vapor is recycled for control of the polymer chain length.

To produce random copolymer, ethylene (Stream F) is added to the reaction vessel along with all the compounds used to make homopolymer.

A small amount of oxygen can be injected into the vessels to shut down the polymerization reaction if it gets out of control. In the event of an emergency shutdown, feed valves are shut down automatically and the propylene gas is vented to the flare.

Train No. 2

The reactors on this line operate in series to produce homopolymer, random copolymer or block co-polymer.

To produce homopolymer, propylene (Stream C) is fed continuously to reaction vessel 2R-201. The reaction vessel utilizes catalyst (Stream B), cocatalyst (Stream A), and Organo Silane as a stereo modifier. Hexane (Stream D) is utilized as a carrier for continuous flow of the catalyst and cocatalyst to the reaction vessels. Hydrogen (Stream E) is added to the reaction vessel to control the molecular weight of the polymer. The product from 2R-201 is fed to the second reaction vessel, 2R-251 along with propylene (Stream C) and hydrogen (Stream E). Off- gas from the top of the reactor is passed through powder fines removal and then partially condensed. Both the liquid and vapor portions of the streams are returned to the reactors. The condensed liquid is recycled for temperature control, while the vapor is recycled for control of the polymer chain length.

Train No. 3

Train No. 3 has a primary and a secondary reactor operating in series (3R-201 and 3R-251) and a purging vessel. The primary reactor, 3R-201, has four primary feeds: Propylene, catalyst slurry in hexane, TEA and Silane mixture, and hydrogen (E). The amount of each feed stream sent to the reactor is dependent on the physical and chemical properties needed for the specific polypropylene grade that is being made at that time.

The effluent from the first reactor is fed to the second reactor (3R-251). When producing homopolymer monomer, hydrogen is fed at a similar ratio to both 3R- 201 and 3R-251. However, when producing block copolymer, the feeds to the first reactor are the same as when producing homopolymer, while propylene, ethylene (F), and small amounts of oxygen are all fed to the second reactor.

Off-gas from the top of the first and second reactor is passed through a powder fines removal system and then partially condensed. Both the liquid and vapor portions (F) of these streams are returned to the reactors. The condensed liquid is recycled and fed along with fresh propylene (C) for temperature control, while the vapor is fed through the bottom of the reactor along with hydrogen (E), which is used to control the molecular weight of the polymer. A small amount of oxygen can also be injected into either of the reactors to slow or stop the polymerization reaction if needed.

A small amount of oxygen can also be injected into either of the reactors to slow or stop the polymerization reaction if needed. In The event of an emergency shutdown, feed valves are shut down automatically and the propylene gas is vented to the flare.

For all trains, the mixture of unreacted carrier gas and polypropylene (PP) powder (Stream G) is discharged from the reactor(s) to the purging column, where the carrier gas is separated from the polypropylene. The PP powder is deactivated of the catalyst in the column with steam and purged with nitrogen. The purge gas from the purging column in Train No. 1 (Stream H), Train No. 2 (Stream I), and Train No. 3 (Stream I) are combined and sent to the Hydrocarbon Recovery Unit.

Hydrocarbon Recovery Unit

Combined purge gases from the purging columns is passed through an HC1 adsorber, compressed, dried in a molecular sieve drier, cooled and membrane separated. Following cooling, the uncondensed gas is primarily nitrogen and undergoes further membrane separation to reclaim the nitrogen for reuse at the purging columns. A small purge stream (Stream Z) is vented from the second membrane section to either the Olefins I or Olefins II flares. The condensate, primarily propylene and propane, is combined with the bleed pump discharges from Train No. 1, 2, and 3 and sent back to the FPC Olefins Plant as recycle (Stream M).

Extrusion Area

Each train has extruders and spin driers. The operation of the extrusion area is the same for each production line.

The PP powder (Stream J) is conveyed, via nitrogen, from the purging vessel to the powder silos, where it is metered into extruders (Stream K) along with additives (Stream N) for product

stability. In the extruders, the PP powder is melted by heating medium, water cooled, pelletized, and sent out to the spin drier. The pellets are spin dried and separated by size in the classifier. The air from the spin drier is discharged to the atmosphere. Peroxide is purchased in liquid form and unloaded into the Peroxide Drum (D-407 or 3D-407). From there, peroxide (Stream Q) is pumped directly to the extruder(s) as needed for specific product grades. Peroxides cut the polymer chains in such a way as to produce controlled rheology materials with a narrow molecular weight distribution.

Wastewater (Stream O) from the pellet water circulation tanks is sent to the combined Wastewater Treatment Plant (CWTP). Makeup water (Stream P) is added to the pellet water circulation loop to maintain the system volume.

Silo Area

Pellets from the classifier are sent to the Pellet Blending Silos for mixing to develop a homogenous product The PP pellets are transferred to the blending silos using a dense phase transfer system to reduce the particulate emissions. Form the blending silos, the pellets are transferred to the elutriator where the pellets are cleaned by a stream of air flowing from the bottom to the top of the elutriator. The PP pellets (Stream L) are transported to various customers via railcars, truck lines, or packaged for warehouse shipments.

Figure 4-1a

POLYPROPYLENE 1 UNIT PROCESS FLOW DIAGRAM
PRODUCTION LINE 300

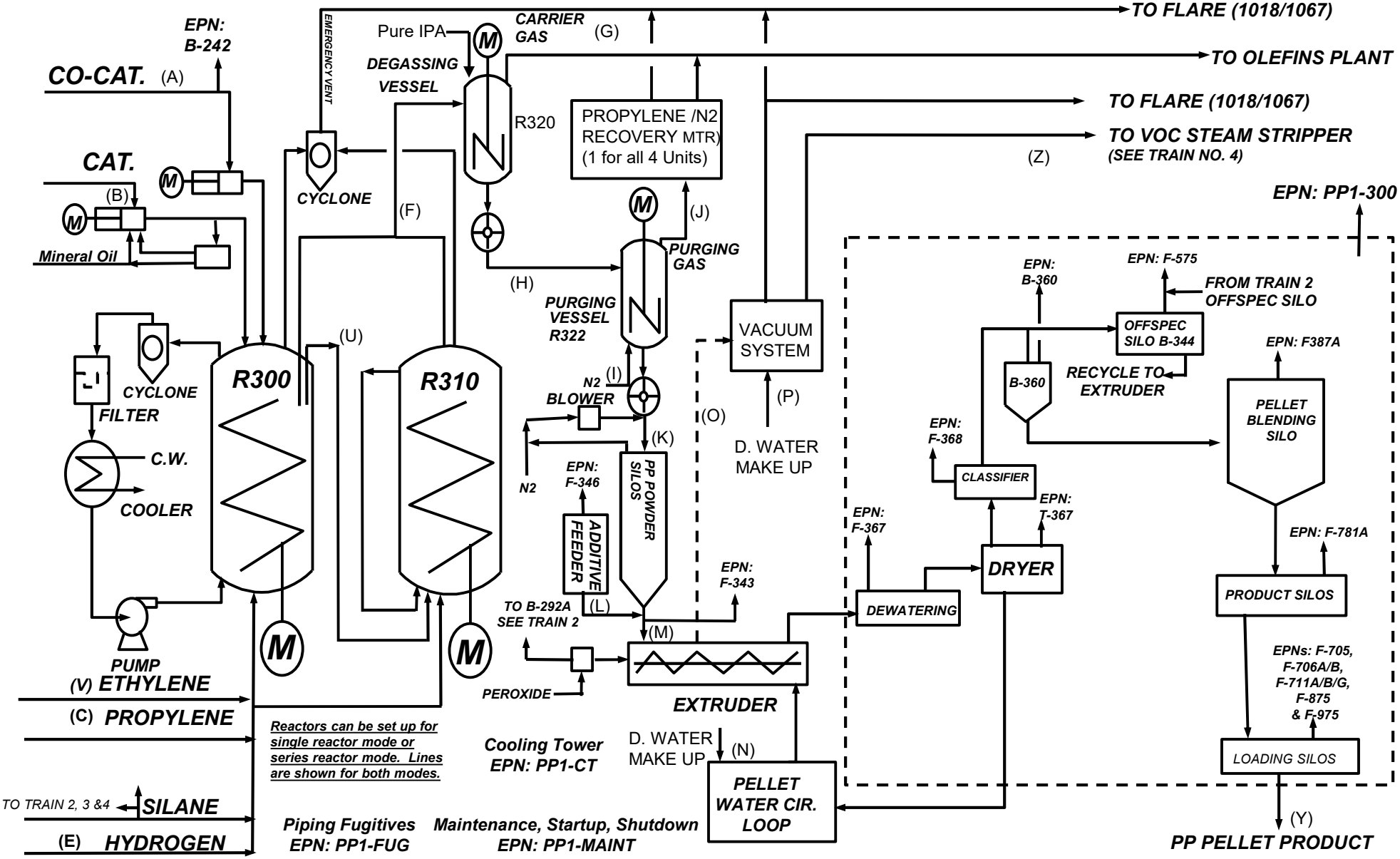


Figure 4-1b

POLYPROPYLENE 1 UNIT PROCESS FLOW DIAGRAM
PRODUCTION LINE 400

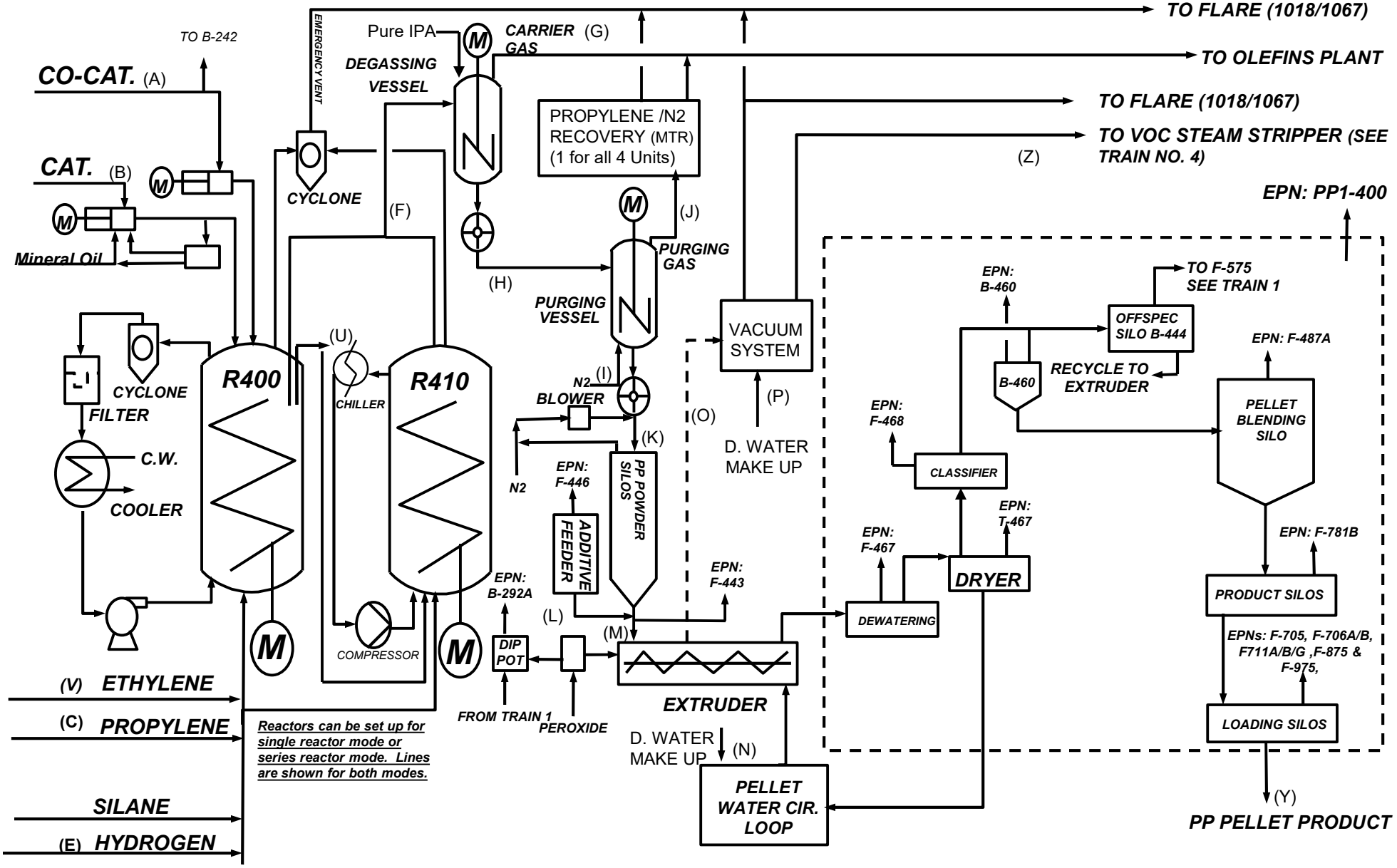


Figure 4-1c

POLYPROPYLENE 1 UNIT PROCESS FLOW DIAGRAM
PRODUCTION LINE 500

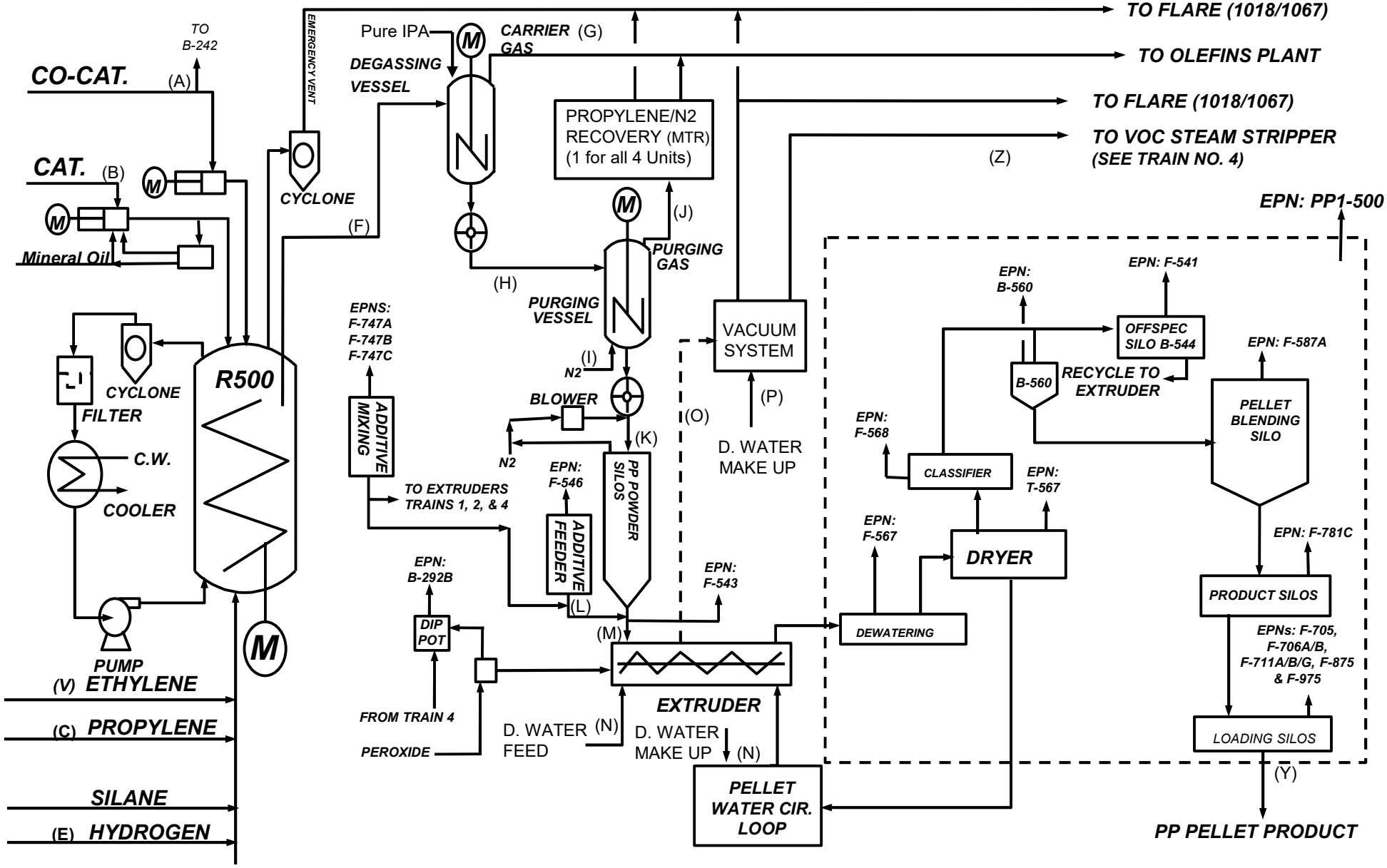


Figure 4-1d

POLYPROPYLENE 1 UNIT PROCESS FLOW DIAGRAM
PRODUCTION LINE 700

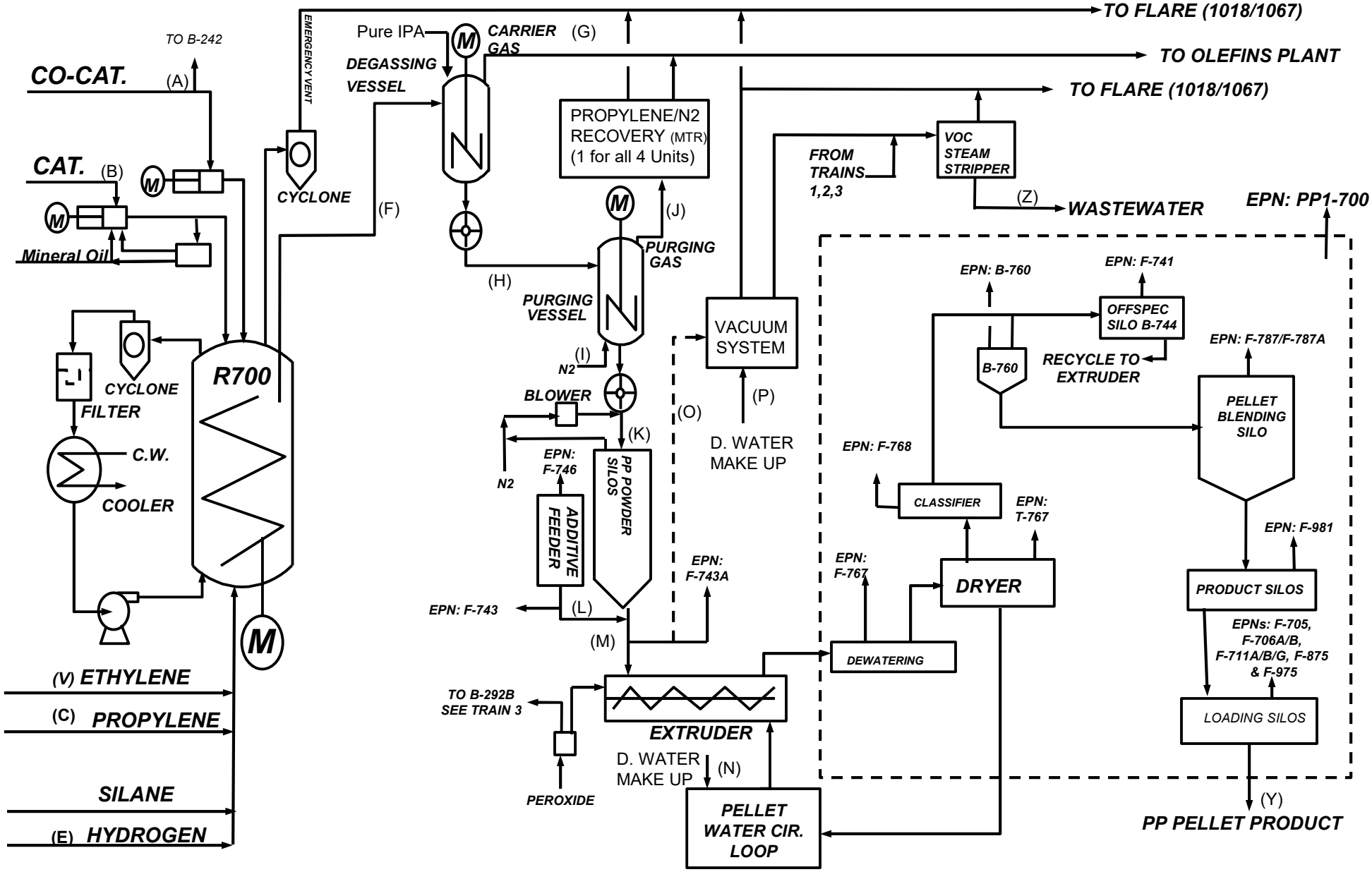


FIGURE 4-2a
POLYPROPYLENE II UNIT PROCESS FLOW DIAGRAM
TRAIN NO. 1

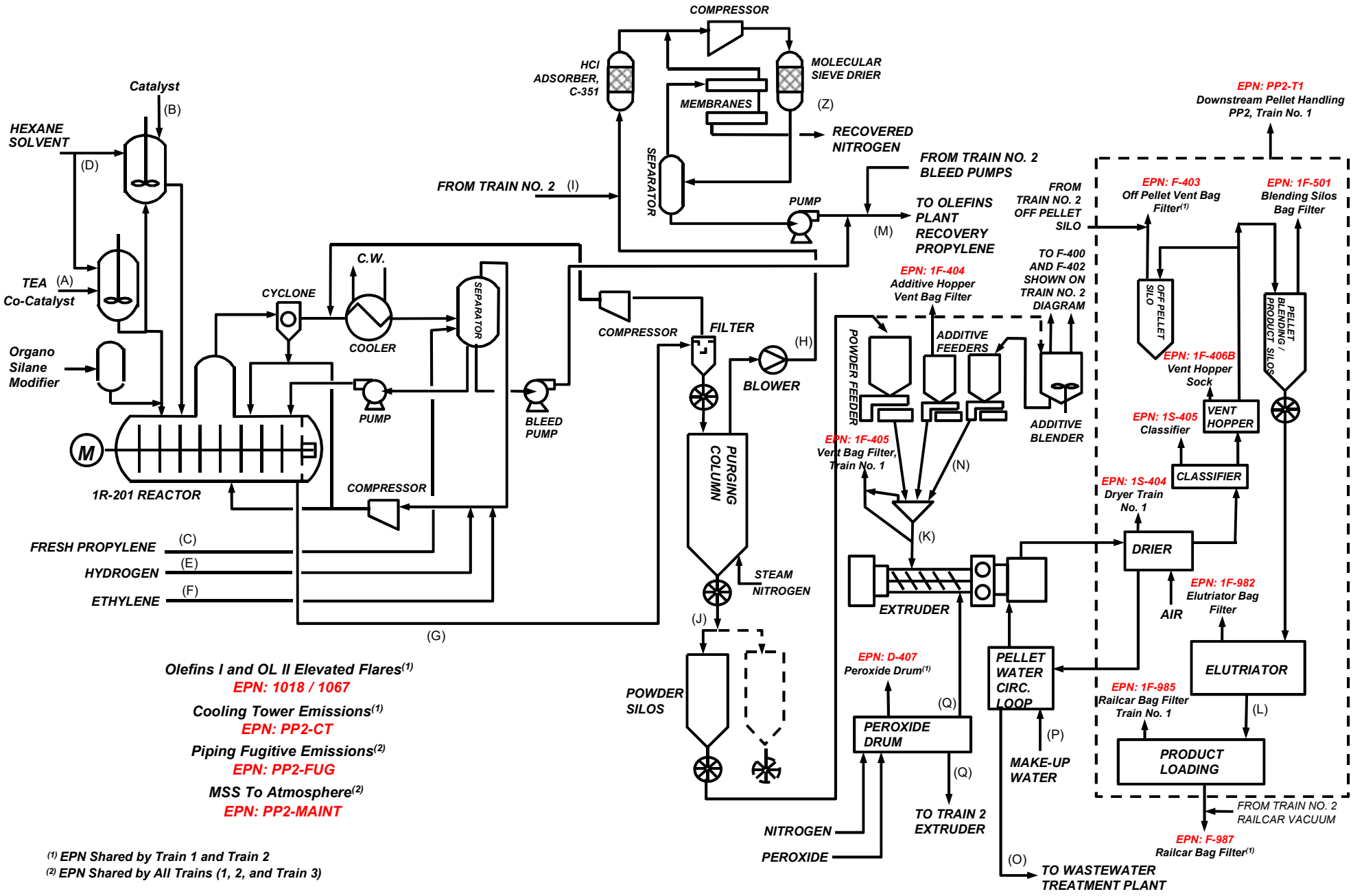
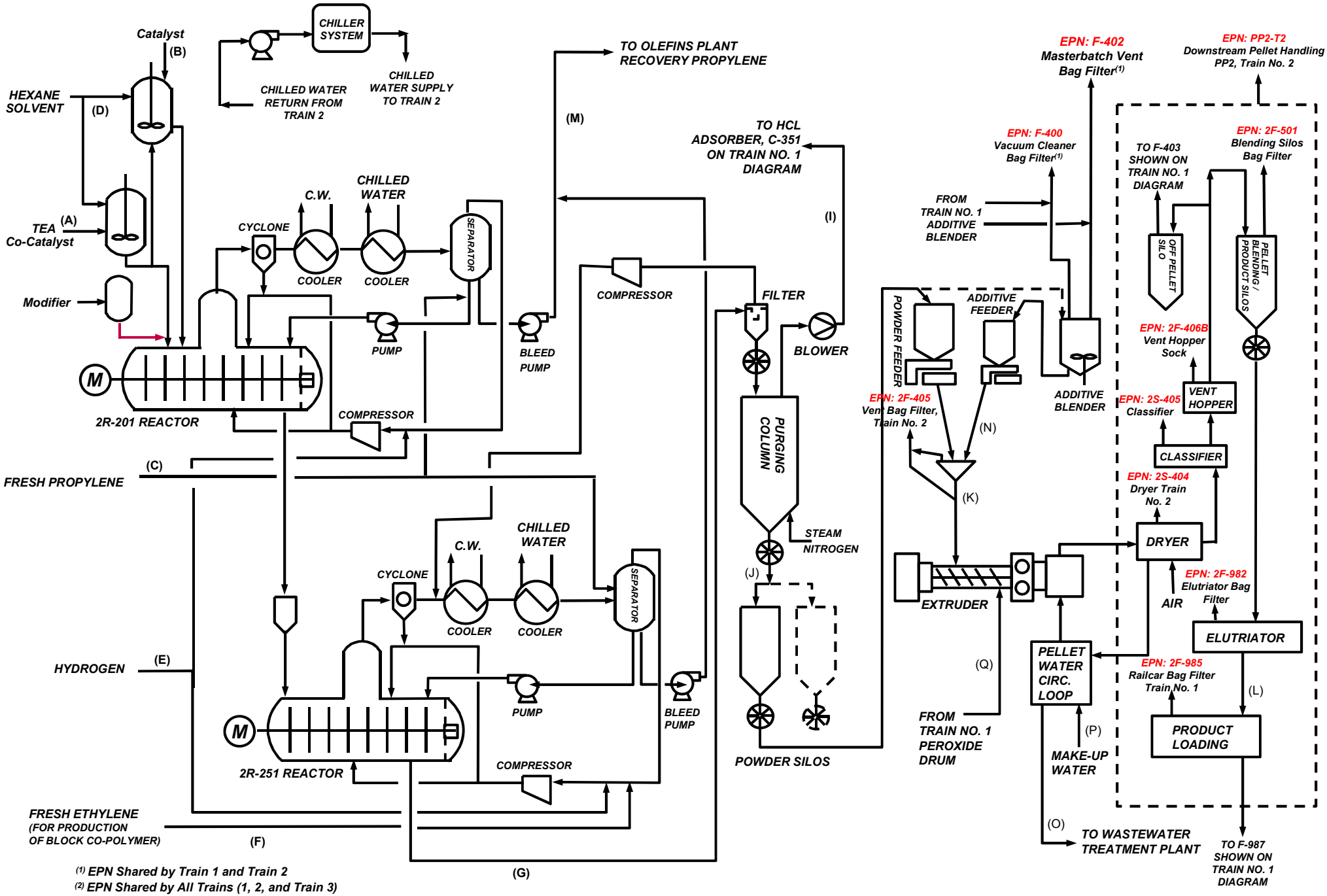


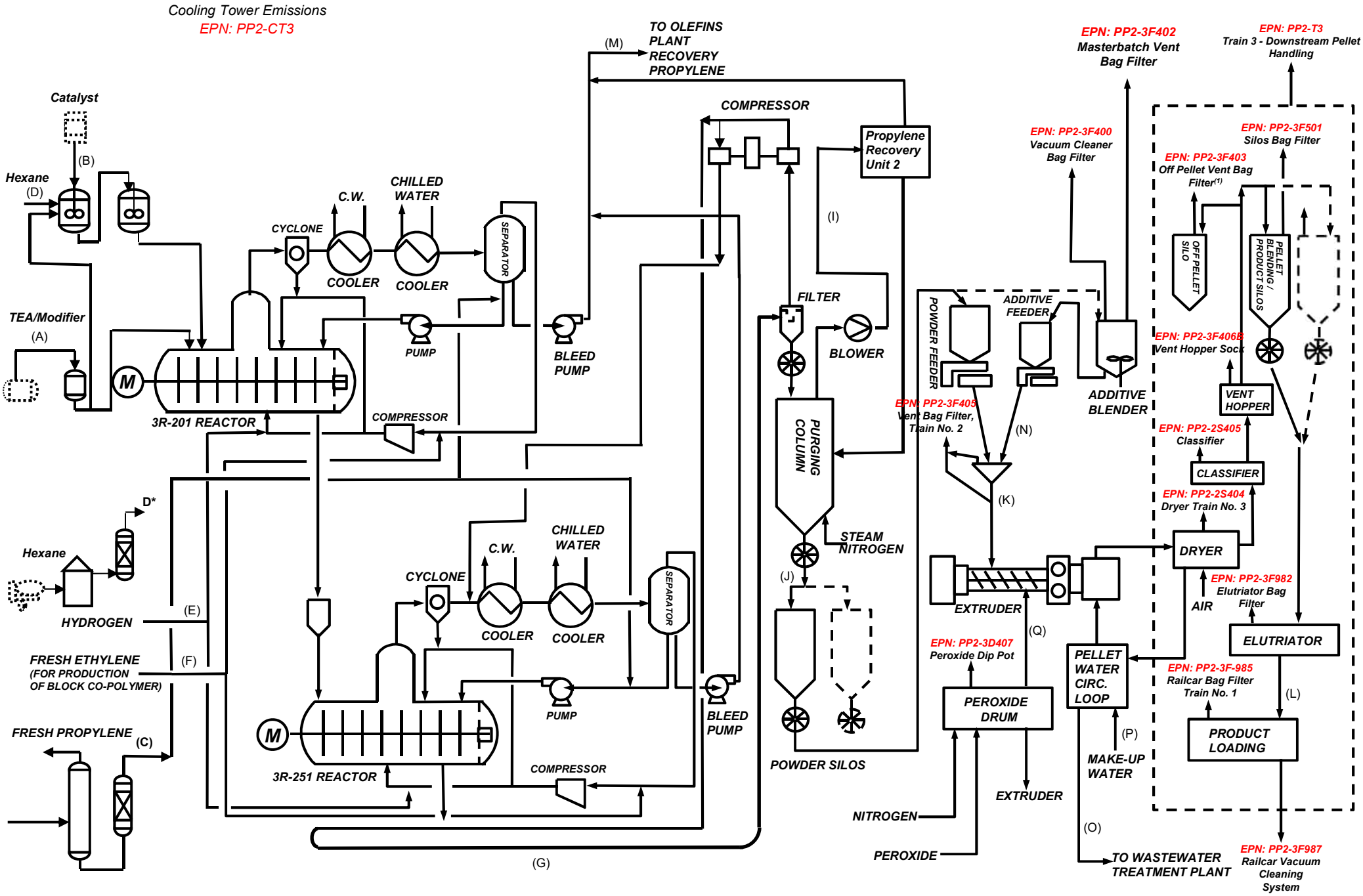
FIGURE 4-2b

POLYPROPYLENE II UNIT PROCESS FLOW DIAGRAM TRAIN NO. 2



(1) EPN Shared by Train 1 and Train 2
(2) EPN Shared by All Trains (1, 2, and Train 3)

FIGURE 4-2c
POLYPROPYLENE II UNIT PROCESS FLOW DIAGRAM
TRAIN NO. 3



5.0 General and Administrative Forms

Appendix A of this application includes the general and administrative forms and supporting information required by the SOP application renewal process, 30 TAC §122.132. These forms and other data include the following:

- OP-CRO1 (Certification by Responsible Official);
- OP-1 (Site Information Summary);
- OP-2 (Application for Permit Revision/Renewal);and
- OP-ACPS (Application Compliance Plan and Schedule).

5.1 Applicability Determination Forms

The emission units at the Polypropylene Plant are subject to site-wide applicable requirements as well as unit specific non-applicability determinations. A completed OP-REQ1 detailing these requirements is included in Appendix B.

5.2 Monitoring Updates

With this renewal Formosa is requesting annual visible emissions monitoring for the cooling towers in the Polypropylene Plant. An OP-MON form for this request is included in Appendix C.

5.3 Unit Attribute Forms

Appendix D includes the following unit attribute forms, noting the replacement of reference to the five tanks listed above in Section 1, in OP-UA3:

- OP-UA4 (Loading/Unloading Operations Attributes);
- OP-UA7 (Flare Attributes);
- OP-UA12 (Fugitive Emission Unit Attributes);
- OP-UA13 (Cooling Tower Attributes);
- OP-UA15 (Emission Point/Stationary Vent/Distillation Operation/ Process Vents Unit Attributes);
- OP-UA28 (Polymer Manufacturing Attributes); and
- OP-UA60 (Chemical Manufacturing Process Unit Attributes).

5.4 Alternative Method of Compliance Memo

Appendix E includes the Alternative Method of Compliance Correspondence to establish Alternative Monitoring for all cooling towers at the Formosa Point Comfort Plant.

6.0 Closure

Title V Operating Permit O1956 Renewal Application

Prepared for:
Formosa Plastics Corporation Texas
Formosa Point Comfort Plant
201 Formosa Drive
Point Comfort, Texas 77978

CN600130017/RN100218973

This document has been prepared by SLR International Corporation (SLR). The material and data in this report were prepared under the supervision and direction of the undersigned.

Deever Bradley, P.E.
Senior Principal

Conor Braman
Senior Engineer

Appendix A General and Administrative Forms

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.

I. Identifying Information		
RN: 100218973	CN: 600130017	Account No.: CB-0038-Q
Permit No.: O1956	Project No.: TBD	
Area Name: Polypropylene Plant	Company Name: Formosa Plastics Corporation, Texas	

II. Certification Type *(Please mark the appropriate box)*

☐ Responsible Official ☒ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Mike Rivet _____ certify that I am the DAR _____
(Certifier Name printed or typed) *(RO or DAR)*

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:

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).

Time Period: From _____ to _____
Start Date *End Date*

Specific Dates: _____ _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: SIGNED IN STEERS _____ Signature Date: _____

Title: Executive Director/Site Manager _____

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 1)
Texas Commission on Environmental Quality

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I.	**Company Identifying Information**					
A.	Company Name: Formosa Plastics Corporation Texas					
B.	Customer Reference Number (CN): **CN** 600130017					
C.	Submittal Date *(mm/dd/yyyy):* 05/14/2024					
II.	**Site Information**					
A.	Site Name: Polypropylene Plant					
B.	Regulated Entity Reference Number (RN): **RN** 100218973					
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*					
☐ AR	☐ CO	☐ KS	☐ LA	☐ NM	☐ OK	☒ N/A
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*					
☒ VOC	☒ NO_X	☐ SO_2	☒ PM_{10}	☒ CO	☐ Pb	☒ HAPS
Other:						
E.	Is the site a non-major source subject to the Federal Operating Permit Program?					☐ YES ☒ NO
F.	Is the site within a local program area jurisdiction?					☐ YES ☒ NO
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?					☐ YES ☒ NO
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:					
III.	**Permit Type**					
A.	Type of Permit Requested: *(Select only one response)*					
☒ Site Operating Permit (SOP)	☐ Temporary Operating Permit (TOP)	☐ General Operating Permit (GOP)				

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)
Texas Commission on Environmental Quality

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ YES ☐ NO
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ YES ☐ NO
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ YES ☐ NO
E.	Has the required Public Involvement Plan been included with this application?	☐ YES ☐ NO
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ YES ☒ NO
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Ken Mounger		
RO Title: Executive Vice President		
Employer Name: Formosa Plastics Corporation, Texas		
Mailing Address: 9 Peach Tree Hill Road		
City: Livingston		
State: New Jersey		
ZIP Code: 07039		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (973) 716-7205		
Fax No.: NA		
Email: LeAnnU@ftpc.fpcusa.com		

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 3)
Texas Commission on Environmental Quality

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)	
Technical Contact Full Name:	LeAnn Usoff
Technical Contact Title:	Air Permitting Assistant Manager
Employer Name:	Formosa Plastics Corporation, Texas
Mailing Address:	P.O. Box 700
City:	Point Comfort
State:	Texas
ZIP Code:	77978
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	(361) 920-9401
Fax No.:	(302) 836-2239
Email:	LeAnnU@ftpc.fpcusa.com
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator:	Lois Kolkhorst
B. State Representative:	J.M. Lozano
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
E. Indicate the alternate language(s) in which public notice is required:	Spanish

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 4)
Texas Commission on Environmental Quality

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name:
B.	Physical Address:
City:	
State:	
ZIP Code:	
Territory:	
Country:	
Foreign Postal Code:	
C.	Physical Location:
D.	Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:	
E.	Telephone No.:
X.	**Application Area Information**
A.	Area Name: Polypropylene Plant
B.	Physical Address: 201 Formosa Drive
City:	Point Comfort
State:	Texas
ZIP Code:	77978
C.	Physical Location:
Located at the intersection of FM 1593 and Hwy 35, Extending 1.8 miles north on the east side of FM 1593	
and 1.7 miles east on the north side of Hwy 35.	
D.	Nearest City: Point Comfort
E.	State: Texas
F.	ZIP Code: 77978

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 5)
Texas Commission on Environmental Quality

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 28 41'20"N
H.	Longitude (nearest second): 96 32'50"W
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO
J.	Indicate the estimated number of emission units in the application area: 50
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ NO
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Calhoun County Library
B.	Physical Address: 200 W. Mahan St.
City:	Port Lavaca
ZIP Code:	77979
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.):	
Contact Person Full Name:	LeAnn Usoff
Contact Mailing Address:	P.O. Box 700
City:	Point Comfort
State:	Texas
ZIP Code:	77978
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	(361) 920-9401

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

Date:	
Permit No.: O1956	
Regulated Entity No.: 100218973	
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?	☒ YES ☐ NO
I. Application Type	
Indicate the type of application:	
☒ Renewal	
☐ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
☐ Significant Revision	
☐ Revision Requesting Prior Approval	
☐ Administrative Revision	
☐ Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only	☒ YES ☐ NO
For GOP Revisions Only	☐ YES ☐ NO

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*						
☒ VOC	☒ NO_X	☐ SO_2	☒ PM_{10}	☒ CO	☐ Pb	☒ HAP
Other:						
IV. Reference Only Requirements *(For reference only)*						
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?					☒ YES ☐ NO ☐ N/A	
V. Delinquent Fees and Penalties						
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.						

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

Date:
Permit No.: O1956
Regulated Entity No.: 100218973
Company Name: Formosa Plastics Corporation Texas

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	SIG A	No	PO CT	OP UA15, OP MON	19200, 19201	Adding annual visible emissions inspections
2	SIG-A	No	PP1-CT	OP-UA15, OP-MON	19200	Adding annual visible emissions inspections
3	SIG-A	No	PP2-CT	OP-UA15, OP-MON	19200, 19201, 40	Adding annual visible emissions inspections
4	SIG-A	No	PP2-CT3	OP-UA15, OP-MON	19200, 19201, 40	Adding annual visible emissions inspections

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

Date:		
Permit No.: O1956		
Regulated Entity No.: 100218973		
Company Name: Formosa Plastics Corporation Texas		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required: Spanish	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date:	Regulated Entity No.: 100218973	Permit No.: O1956
Company Name: Formosa Plastics Corporation Texas		Area Name: Polypropylene Plant

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

Part 1

A.	**Compliance Plan — Future Activity Committal Statement**	
The *Responsible Official* commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.		
B.	**Compliance Certification - Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)**	
1.	With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ YES ☐ NO
2.	Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ NO
3.	If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)*	
*	*For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.* *For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.* *Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.*	

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.
	O1956	100218973

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
	1	PO-CT	OP-UA15, OP-MON	Cooling Tower		19200	PSDTX1237
	2	PP1-CT	OP-UA15, OP-MON	Cooling Tower		19200	PSDTX1237
	3	PP2-CT	OP-UA15, OP-MON	Cooling Tower		91780	PSDTX1240
	4	PP2-CT3	OP-UA15, OP-MON	Cooling Tower		91780	PSDTX1240

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

Date	Permit Number	Regulated Entity Number
05/14/2024	O1956	100218973

Unit ID No.	Registration No.	PBR No.	Registration Date
PP2-FUG	155332	106.261	03/18/2019
PP2-CT	173194	106.262	07/12/2023
PP1-CT	173222	106.261 and 106.262	07/12/2023

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

Date	Permit Number	Regulated Entity Number
05/14/2024	O1956	100218973

Unit ID No.	PBR No.	Version No./Date
T-810	106.472	09/04/2000
F-990	106.393	09/04/2000
B615	106.473	09/04/2000
PP-1 700	106.472	09/04/2000
F-747A/B/C	106.395	09/04/2000
PP2-PWRWSH	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
05/14/2024	O1956	100218973

PBR No.	Version No./Date
NONE	

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

Date	Permit Number	Regulated Entity Number
05/14/2024	O1956	100218973

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
PP2-FUG	106.261	03/18/2019	Quarterly LDAR valves, weekly PI Flanges
PP2-CT	106.262	07/12/2023	Monthly VOC measurement, monthly flowrate
T-810	106.472	09/04/2000	Monthly tank throughput
F-990	106.393	09/04/2000	Monthly usage, quarterly visible emissions
B-615	106.473	09/04/2000	Monthly tank throughput
PP-1 700	106.472	09/04/2000	Monthly tank throughput
F-747A/B/C	106.395	09/04/2000	Monthly usage, quarterly visible emissions
PP2-PWRWSH	106.511	09/04/2000	Run time log, records of required maintenance
PP1-CT	106.261/262	07/12/2023	Monthly VOC measurement, monthly flowrate

Reset Form Print Form

Appendix B Area-Wide Applicable Requirements Form

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

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 1			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter**		
	A.	**Visible Emissions**	
♦	1.	The application area includes stationary vents constructed on or before January 31, 1972.	☐YES ☒NO
♦	2.	The application area includes stationary vents constructed after January 31, 1972. *If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.* *If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.*	☒YES ☐NO
♦	3.	The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	☐YES ☐NO
♦	4.	All stationary vents are addressed on a unit specific basis.	☐YES ☒NO
♦	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☒YES ☐NO
♦	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☐YES ☒NO
♦	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☐YES ☒NO
♦	8.	Emissions from units in the application area include contributions from uncombined water.	☒YES ☐NO
♦	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐YES ☐NO ☒N/A

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 2				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	B.	**Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots**		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.		
♦		a.	The application area is located within the City of El Paso.	☐YES ☒NO
♦		b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.	☐YES ☒NO
♦		c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.	☐YES ☒NO
♦		d.	The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.	☐YES ☒NO
		If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.		
	2.	Items a - d determine the specific applicability of these requirements.		
♦		a.	The application area is subject to 30 TAC § 111.143.	☐YES ☐NO
♦		b.	The application area is subject to 30 TAC § 111.145.	☐YES ☐NO
♦		c.	The application area is subject to 30 TAC § 111.147.	☐YES ☐NO
♦		d.	The application area is subject to 30 TAC § 111.149.	☐YES ☐NO
	C.	**Emissions Limits on Nonagricultural Processes**		
♦	1.	The application area includes a nonagricultural process subject to 30 TAC § 111.151.		☒YES ☐NO
	2.	The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. *If the response to Question I.C.2 is "NO," go to Question I.C.4.*		☒YES ☐NO
	3.	All vents from nonagricultural process in the application area are subject to additional monitoring requirements.		☐YES ☒NO

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

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 3			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	C.	**Emissions Limits on Nonagricultural Processes (continued)**	
	4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☐YES ☒NO
	5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.5 is "NO," go to Question I.C.7.*	☐YES ☒NO
	6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐YES ☒NO
	8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.8 is "NO," go to Section I.D.*	☐YES ☒NO
	9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	D.	**Emissions Limits on Agricultural Processes**	
	1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	☐YES ☒NO
	E.	**Outdoor Burning**	
♦	1.	Outdoor burning is conducted in the application area. *If the response to Question I.E.1 is "NO," go to Section II.*	☐YES ☒NO
♦	2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☐YES ☐NO
♦	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☐YES ☐NO
♦	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐YES ☐NO

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

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 4			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	E.	**Outdoor Burning (continued)**	
♦	5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☐YES ☐NO
♦	6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐YES ☐NO
♦	7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐YES ☐NO
II.	**Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds**		
	A.	**Temporary Fuel Shortage Plan Requirements**	
	1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☐YES ☒NO
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.*	☒YES ☐NO
	B.	**Storage of Volatile Organic Compounds**	
♦	1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☒YES ☐NO

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

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 5			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	C.	**Industrial Wastewater**	
	1.	The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. *If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.*	☐YES ☐NO ☒N/A
	2.	The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. *If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.*	☐YES ☐NO
	3.	The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). *If the response to Question III.C.3 is "YES," go to Section III.D.*	☐YES ☐NO
	4.	The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). *If the response to Question III.C.4 is "YES," go to Section III.D.*	☐YES ☐NO
	5.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐YES ☐NO
	6.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐YES ☐NO
	7.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐YES ☐NO
	D.	**Loading and Unloading of VOCs**	
♦	1.	The application area includes VOC loading operations.	☒YES ☐NO
♦	2.	The application area includes VOC transport vessel unloading operations. *For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.*	☒YES ☐NO

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

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 6			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	D.	**Loading and Unloading of VOCs (continued)**	
♦	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	☐YES ☒NO
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO," go to Section III.F.*	☐YES ☒NO
♦	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐YES ☐NO
♦	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.*	☐YES ☐NO
♦	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO," go to Question III.E.9.*	☐YES ☐NO
♦	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☐YES ☐NO
♦	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐YES ☐NO
♦	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. *If the response to Question III.E.7 is "YES," go to Section III.F.*	☐YES ☐NO

Date:	
Permit No.:	O1956
RN No.:	RN100218973

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 7			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**	
♦	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.*	☐YES ☐NO
♦	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	10.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	11.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☐YES ☐NO
♦	12.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐YES ☐NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
♦	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A

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For SOP applications, answer ALL questions unless otherwise directed.
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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**	
♦	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐YES ☐NO ☐N/A
♦	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☐YES ☐NO
♦	3.	The application area includes facilities that began construction prior to November 15, 1992. *If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.*	☐YES ☐NO
♦	4.	The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☐YES ☐NO
♦	5.	The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐YES ☐NO
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐YES ☐NO
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐YES ☐NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐YES ☒NO
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☐YES ☐NO ☒N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐YES ☐NO ☐N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐YES ☐NO
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "NO," go to Section III.L.*	☐YES ☐NO
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐YES ☐NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐YES ☐NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐YES ☐NO
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.*	☒YES ☐NO ☐N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "YES," go to Section III.M.*	☐YES ☒NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**	
♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☒N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☒N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☒NO
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☒N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐YES ☐NO ☒N/A
	M.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐YES ☐NO ☒N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
N.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**		
1.	The application area includes one or more vent gas streams containing HRVOC.	☐YES ☐NO ☒N/A	
2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.*	☐YES ☐NO ☒N/A	
3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐YES ☐NO	
4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.*	☐YES ☐NO	
5.	The application area contains pressure relief valves that are not controlled by a flare.	☐YES ☐NO	
6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☐YES ☐NO	
7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐YES ☐NO	
O.	**Cooling Tower Heat Exchange Systems (HRVOC)**		
1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐YES ☐NO ☒N/A	

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Federal Operating Permit Program

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Form OP-REQ1: Page 13			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES," go to Question IV.H.1.*	☐YES ☒NO
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "YES," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.*	☐YES ☒NO
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "NO," go to Question IV.C.1.*	☐YES ☐NO
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.*	☐YES ☐NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☐YES ☐NO ☐N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐YES ☐NO
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐YES ☐NO ☐N/A
	E.	**Nitric Acid Manufacturing Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐YES ☐NO ☐N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.*	☐YES ☐NO
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐YES ☐NO
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐YES ☐NO
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐YES ☐NO
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.*	☐YES ☐NO
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐YES ☐NO
	8.	An ACSS for ammonia (NH_3) has been approved?	☐YES ☐NO
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.*	☐YES ☐NO
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐YES ☐NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.*	☐YES ☒NO
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐YES ☐NO

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**	
A.	**Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐YES ☒NO
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.*	☐YES ☒NO
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐YES ☐NO
B.	**Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**	
1.	The application area manufactures consumer products for sale or distribution in the United States.	☐YES ☒NO
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐YES ☒NO
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.*	☐YES ☒NO
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐YES ☐NO

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.*	☐YES ☒NO
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐YES ☐NO
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐YES ☒NO
	E.	**Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐YES ☐NO
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO," go to Section VII.*	☒YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO," go to Section VI.C.*	☐YES ☒NO
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO," go to Section VI.C.*	☐YES ☐NO
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "YES," go to Section VI.C.*	☐YES ☐NO
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "NO," go to Section VI.C.*	☐YES ☐NO
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐YES ☐NO
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.*	☐YES ☐NO ☐N/A
♦	2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 is "NO," go to Section VI.D.*	☐YES ☐NO
♦	3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐YES ☐NO
♦	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐YES ☐NO
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO," go to Section VI.E.*	☐YES ☒NO ☐N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐YES ☐NO
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.*	☐YES ☒NO
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.*	☐YES ☐NO
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.*	☐YES ☐NO

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Form OP-REQ1: Page 20			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.*	☐YES ☐NO
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO," go to Section VI.G.*	☐YES ☒NO
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐YES ☐NO
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO," go to Section VI.H.*	☐YES ☒NO
	2.	The application area includes storm water sewer systems.	☐YES ☐NO

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Form OP-REQ1: Page 21			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)**	
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐YES ☐NO
	4.	The application area includes non-contact cooling water systems.	☐YES ☐NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO," go to Section VI.H.*	☐YES ☐NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐YES ☐NO
	7.	The application area includes completely closed drain systems.	☐YES ☐NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
♦	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.H.4 is "NO," go to Section VI.I.*	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)**	
♦	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5 is "NO," go to Question VI.H.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**	
♦	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐YES ☐NO

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Form OP-REQ1: Page 23			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)**	
♦	3.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4 is "NO," go to Section VI.J.*	☐YES ☐NO
♦	5.	The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5 is "NO," go to VI.I.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO

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Form OP-REQ1: Page 24			
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006**	
♦	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4 is "NO," go to Section VI.K.*	☐YES ☐NO
♦	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5 is "NO," go to Question VI.J.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)**		
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)**	
♦	8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐YES ☐NO
♦	10.	The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
	K.	**Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution**	
♦	1.	The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	☐YES ☒NO
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.*	✕YES ☐NO ☐N/A
	B.	**Subpart F - National Emission Standard for Vinyl Chloride**	
	1.	The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	YES ☒NO
	C.	**Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks Emission Sources) of Benzene (Complete this section for GOP applications only)**	
♦	1.	The application area includes equipment in benzene service.	☐YES ☐NO ☐N/A

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants		
1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO," go to Section VII.E.*	☐YES ☒NO
2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐YES ☐NO
3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐YES ☐NO
E. Subpart M - National Emission Standard for Asbestos		
Applicability		
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "NO," go to Section VII.F.*	☐YES ☒NO
Roadway Construction		
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐YES ☐NO
Manufacturing Commercial Asbestos		
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO," go to Question VII.E.4.*	☐YES ☐NO
a.	Visible emissions are discharged to outside air from the manufacturing operation	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐YES ☐NO

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Form OP-REQ1: Page 27			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
		***Manufacturing Commercial Asbestos* (continued)**	
		c. Asbestos-containing waste material is processed into non-friable forms.	YES ☐NO
		d. Asbestos-containing waste material is adequately wetted.	YES ☐NO
		e. Alternative filtering equipment is being used that has received EPA approval.	YES ☐NO
		f. A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	YES ☐NO
		g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	YES ☐NO
		Asbestos Spray Application	
		4. The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO," go to Question VII.E.5.*	☐YES ☐NO
		a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.*	☐YES ☐NO
		b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐YES ☐NO
		c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 28			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
		***Asbestos Spray Application* (continued)**	
	d.	Asbestos-containing waste material is processed into non-friable forms.	YES ☐NO
	e.	Asbestos-containing waste material is adequately wetted.	YES NO
	f.	Alternative filtering equipment is being used that has received EPA approval.	YES ☐NO
	g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	YES ☐NO
	h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	YES ☐NO
		Fabricating Commercial Asbestos	
	5.	The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.*	☐YES ☐NO
	a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐YES ☐NO
	b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 29			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
		***Fabricating Commercial Asbestos* (continued)**	
		f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	YES ☐NO
		g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	YES ☐NO
		Non-sprayed Asbestos Insulation	
		6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	YES ☐NO
		Asbestos Conversion	
		7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐YES ☐NO
	F.	**Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**	
		1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐YES ☒NO
	G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**	
		1. The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "NO," go to Section VII.H.*	☐YES ☒NO
		2. The application area includes benzene transfer operations at marine vessel loading racks.	☐YES ☐NO

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Form OP-REQ1: Page 30		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)**	
3.	The application area includes benzene transfer operations at railcar loading racks.	☐YES ☐NO
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☐YES ☐NO
H.	**Subpart FF - National Emission Standard for Benzene Waste Operations**	
	Applicability	
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☒YES ☐NO
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.*	☐YES ☒NO
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES," go to Section VIII.*	☐YES ☒NO
4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "YES," go to Section VIII*	☐YES ☒NO
5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES," go to Section VIII.*	☐YES ☒NO

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Form OP-REQ1: Page 31			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Applicability* (continued)**	
	6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☒YES ☐NO
	7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☒YES ☐NO
		Waste Stream Exemptions	
	8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☒YES ☐NO
	9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐YES ☒NO
	10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐YES ☒NO
	11.	The application area transfers waste off-site for treatment by another facility.	☐YES ☒NO
	12.	The application area is complying with 40 CFR § 61.342(d).	☐YES ☒NO
	13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "NO," go to Question VII.H.15.*	☐YES ☒NO
	14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐YES ☐NO

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Form OP-REQ1: Page 32		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO," go to Question VII.H.18.*	☐YES ☒NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES," go to Question VII.H.18.*	☐YES ☐NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO," go to Question VII.H.25.*	☐YES ☒NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES," go to Question VII.H.25.*	☐YES ☐NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO," go to Question VII.H.22.*	☐YES ☐NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO

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Form OP-REQ1: Page 33			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO," go to Question VII.H.25.*	YES ☐NO
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	YES ☐NO
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	YES ☐NO
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	YES ☒NO
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒YES ☐NO
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "NO," go to Section VIII.D.*	☒YES ☐NO

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Form OP-REQ1: Page 34		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)**	
2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "NO," go to Section VIII.D.*	☒YES ☐NO
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☒YES ☐NO
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☒NO
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.*	☐YES ☒NO

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Form OP-REQ1: Page 35		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater		
Applicability		
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO," go to Section VIII.D.*	☐YES ☒NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐YES ☐NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
4.	The application area includes vapor collection systems or closed vent systems that are constructed of hard-piping.	☐YES ☐NO
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
Vapor Collection and Closed Vent Systems		
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐YES ☐NO
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐YES ☐NO

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Form OP-REQ1: Page 36		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Reloading or Cleaning of Railcars, Tank Trucks, or Barges		
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*	☐YES ☐NO
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐YES ☐NO
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐YES ☐NO
Transfer Racks		
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐YES ☐NO
Process Wastewater Streams		
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.*	☐YES ☐NO
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐YES ☐NO
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.*	☐YES ☐NO

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Form OP-REQ1: Page 37		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐YES ☐NO
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.*	☐YES ☐NO
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐YES ☐NO
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐YES ☐NO
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐YES ☐NO
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐YES ☐NO
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐YES ☐NO
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐YES ☐NO

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Form OP-REQ1: Page 38		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.*	☐YES ☐NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.*	☐YES ☐NO
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.*	☐YES ☐NO
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO

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Form OP-REQ1: Page 39		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Drains		
31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C.	**Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)**	
	***Drains* (continued)**	
	37. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
	38. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
	Gas Streams	
	39. The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐YES ☐NO
	40. The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐YES ☐NO
D.	**Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**	
	1. The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐YES ☒NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
E.	**Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities**	
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "NO," go to Section VIII.F.*	☐YES ☒NO
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO," go to Section VIII.F.*	☐YES ☐NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO," go to Section VIII.G.*	☒YES ☐NO
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐YES ☒NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☐YES ☒NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.*	☐YES ☒NO
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)		
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.*	☐YES ☐NO
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.7 is "YES," go to Section VIII.H.*	☐YES ☐NO
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.8 is "YES," go to Section VIII.H.*	☐YES ☐NO
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.*	☐YES ☐NO
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.10 is "NO," go to Section VIII.H.*	☐YES ☐NO
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry		
1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO," go to Section VIII.I.*	☐YES ☒NO
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO," go to Section VIII.I.*	☐YES ☐NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO," go to Section VIII.I.*	☐YES ☐NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐YES ☐NO
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐YES ☐NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO," go to Section VIII.I.*	☐YES ☐NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐YES ☐NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
I.	**Subpart T - National Emission Standards for Halogenated Solvent Cleaning**	
1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐YES ☒NO
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**	
1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO," go to Section VIII.K.*	☐YES ☒NO
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO," go to Section VIII.K.*	☐YES ☐NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.*	☐YES ☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.*	☐YES ☐NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
	Containers	
	11. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
	12. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*	☐YES ☐NO
	13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
	14. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
	15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*	☐YES ☐NO
	16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.*	☐YES ☒NO ☐N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐YES ☐NO

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.*	☐YES ☒NO ☐N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐YES ☐NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☐YES ☒NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO," go to Section VIII.O.*	☐YES ☒NO
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES," go to Section VIII.O.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)		
***Applicability* (continued)**		
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO," go to Section VIII.O.*	☐YES ☐NO
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO," go to Section VIII.O.*	☐YES ☐NO
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO," go to Section VIII.O.*	☐YES ☐NO
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*	☐YES ☐NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐YES ☐NO
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*	☐YES ☒NO ☐N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐YES ☐NO
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐YES ☐NO

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Form OP-REQ1: Page 51		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
4.	The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐YES ☐NO
5.	The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☐YES ☐NO
6.	The predominant activity in the application area is the treatment of wastewater received from off-site.	☐YES ☐NO
7.	The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐YES ☐NO
8.	The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐YES ☐NO
9.	The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐YES ☐NO
10.	The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES," go to Section VIII.P.*	☐YES ☐NO

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Form OP-REQ1: Page 52		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.*	☐YES ☐NO
12.	VOHAP concentration is determined by direct measurement.	☐YES ☐NO
13.	VOHAP concentration is based on knowledge of the off-site material.	☐YES ☐NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.*	☐YES ☐NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐YES ☐NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐YES ☐NO
17.	The application area includes containers that manage non-exempt off-site material.	☐YES ☐NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐YES ☐NO

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Form OP-REQ1: Page 53			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.*	☐YES ☒NO ☐N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐YES ☐NO
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐YES ☒NO
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.*	☐YES ☒NO
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.*	☐YES ☐NO
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Q.	**Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)**	
♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.*	☐YES ☐NO
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.*	☐YES ☐NO
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐YES ☐NO
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐YES ☐NO
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐YES ☐NO

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Form OP-REQ1: Page 55			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**		
	1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐YES ☒NO
	2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐YES ☐NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**		
	1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.*	☐YES ☒NO ☐N/A
	2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐YES ☐NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**		
	1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐YES ☒NO ☐N/A
U.	**Subpart PP - National Emission Standards for Containers**		
	1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐YES ☒NO
	2.	The application area includes containers using Container Level 1 controls.	☐YES ☐NO
	3.	The application area includes containers using Container Level 2 controls.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
U.	**Subpart PP - National Emission Standards for Containers (continued)**		
	4.	The application area includes containers using Container Level 3 controls.	☐YES ☐NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**		
	1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐YES ☒NO
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**		
	1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐YES ☒NO
	2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.*	☐YES ☒NO
	3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐YES ☐NO
	6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.*	☐YES ☐NO

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Form OP-REQ1: Page 57		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO

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Form OP-REQ1: Page 58		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO

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Form OP-REQ1: Page 59		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
20.	The application area includes an ethylene production process unit.	☐YES ☐NO ☒N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.*	☐YES ☐NO ☒N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.*	☐YES ☐NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.*	☐YES ☐NO

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Form OP-REQ1: Page 60		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐YES ☐NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.*	☐YES ☐NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐YES ☐NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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Form OP-REQ1: Page 61		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐YES ☐NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.*	☐YES ☐NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.*	☐YES ☐NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.*	☐YES ☐NO

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Form OP-REQ1: Page 62		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.*	☐YES ☐NO
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.*	☐YES ☐NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.*	☐YES ☐NO

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Form OP-REQ1: Page 63		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.*	☐YES ☐NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.*	☐YES ☐NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO

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Form OP-REQ1: Page 64		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54 is "NO," go to Section VIII.X.*	☐YES ☒NO
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐YES ☐NO
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**	
1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.*	☐YES ☒NO
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.*	☐YES ☐NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.*	☐YES ☐NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.*	☐YES ☐NO

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Form OP-REQ1: Page 65		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.*	☐YES ☐NO

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Form OP-REQ1: Page 66		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
	Containers	
	14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
	15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*	☐YES ☐NO
	16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
	17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
	18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
***Drains* (continued)**		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐YES ☐NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐YES ☐NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐YES ☒NO
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐YES ☒NO
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☒YES ☐NO
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒YES ☐NO
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.*	☒YES ☐NO
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.*	☒YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.*	☒YES ☐NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☒NO
7.	The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☒YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.*	☒YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
13.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.*	☐YES ☐NO
14.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐YES ☐NO
15.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.*	☐YES ☐NO
16.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐YES ☐NO
17.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
18.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
19.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.*	☐YES ☐NO
20.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
21.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.*	☐YES ☒NO
23.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.*	☐YES ☐NO
24.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐YES ☐NO
25.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐YES ☐NO
26.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐YES ☒NO
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation		
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.*	☐YES ☒NO
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.*	☐YES ☐NO
3.	All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.*	☐YES ☐NO
4.	Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.*	☐YES ☐NO
5.	The site remediation will be completed within 30 consecutive calendar days.	☐YES ☐NO
6.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.*	☐YES ☐NO
7.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐YES ☐NO
8.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)		
9.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.*	☐YES ☐NO
10.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐YES ☐NO
11.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐YES ☐NO
12.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐YES ☐NO
13.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐YES ☐NO
14.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐YES ☐NO
DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities		
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.*	☐YES ☒NO
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.*	☐YES ☐NO
3.	Metallic scrap is utilized in the EAF.	☐YES ☐NO
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities		
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "NO," go to Section VIII.FF.*	☐YES ☒NO
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐YES ☐NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐YES ☐NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.*	☐YES ☐NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐YES ☐NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.*	☐YES ☐NO
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.*	☐YES ☐NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐YES ☐NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.*	☐YES ☐NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐YES ☐NO
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.*	☐YES ☒NO
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.*	☐YES ☐NO
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐YES ☐NO
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐YES ☐NO
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☐YES ☒NO
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☒YES ☐NO
X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**		
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐YES ☒NO ☐N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐YES ☒NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐YES ☒NO ☐N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐YES ☒NO ☐N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐YES ☒NO ☐N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐YES ☒NO ☐N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐YES ☒NO ☐N/A

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**			
	F.	**Subpart F - Recycling and Emissions Reduction**		
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☒YES	☐NO
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☐YES	☒NO ☐N/A
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐YES	☒NO ☐N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**		
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.*	☐YES	☒NO ☐N/A
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐YES	☐NO ☐N/A
	H.	**Subpart H -Halon Emissions Reduction**		
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☐YES	☒NO ☐N/A
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐YES	☒NO ☐N/A
XI.	**Miscellaneous**			
	A.	**Requirements Reference Tables (RRT) and Flowcharts**		
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☐YES	☒NO

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XI.	**Miscellaneous (continued)**		
	B.	**Forms**	
♦	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.*	☐YES ☒NO ☐N/A
♦	2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below.	
	C.	**Emission Limitation Certifications**	
♦	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☒YES ☐NO
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**	
	1.	The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐YES ☒NO
	2.	The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐YES ☒NO
	3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.*	☐YES ☒NO
	4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.*	☒YES ☐NO

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

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XI.	**Miscellaneous (continued)**		
	E.	**Title IV - Acid Rain Program**	
	1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐YES ☒NO
	2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐YES ☒NO
	3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐YES ☒NO
	F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
	1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "NO," go to Question XI.F.7.*	☐YES ☒NO
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐YES ☐NO
	6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐YES ☐NO
	7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐YES ☒NO

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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XI.	**Miscellaneous (continued)**		
	G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
	1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "NO," go to Question XI.G.6.*	☐YES ☒NO
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐YES ☐NO
	5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐YES ☐NO
	6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐YES ☒NO
	H.	**Permit Shield (SOP Applicants Only)**	
	1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒YES ☐NO

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

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐YES ☐NO
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐YES ☐NO
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐YES ☐NO
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐YES ☐NO
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐YES ☐NO
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "NO," go to question XI.J.3.*	☐YES ☒NO
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☐NO ☐N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☐NO ☒N/A

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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X.	☐YES ☒NO
♦	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐YES ☒NO
♦	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐YES ☒NO
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐YES ☒NO
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☒YES ☐NO
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.*	☒YES ☐NO
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐YES ☒NO

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Form OP-REQ1: Page 83			
XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐YES ☒NO
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.*	☐YES ☒NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐YES ☐NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐YES ☐NO
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "YES," go to Section XI.M.*	☐YES ☐NO

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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐YES ☐NO
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.*	☐YES ☒NO ☐N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.*	☐YES ☒NO

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XII. New Source Review (NSR) Authorizations (continued)			
	B. Air Quality Standard Permits		
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.*	☐YES ☒NO
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐YES ☐NO
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐YES ☐NO
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐YES ☐NO
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐YES ☐NO
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐YES ☐NO
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐YES ☐NO
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO

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XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "NO," go to Question XII.B.15.*	☐YES ☐NO
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐YES ☐NO
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐YES ☐NO
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐YES ☒NO
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐YES ☒NO

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

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: PSDTX1237	Issuance Date: 04/01/2021	Pollutant(s): CO, NOx, VOC, SO2, PM10
PSD Permit No.: PSDTX1240	Issuance Date: 09/23/2019	Pollutant(s): CO, NOx, VOC, SO2, PM10
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

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

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.: 19200	Issuance Date: 04/01/2021	NSR Permit No.:	Issuance Date:
NSR Permit No.: 91780	Issuance Date: 09/23/2019	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.:	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:

Date:	
Permit No.:	O1956
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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these question unless otherwise directed.*

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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.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.393	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.395	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Appendix C Monitoring Forms

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CB-0038-Q	RN No.: 100218973	CN: 600130017
Permit No: O1956	Project No.: TBD	
Area Name: Polypropylene Plant		
Company Name: Formosa Plastics Corporation, Texas		
II. Unit/Emission Point/Group/Process Information		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: PO-CT		
Applicable Form: OP-UA13		
III. Applicable Regulatory Requirement		
Name: Chapter 111		
SOP/GOP Index No.: R1111-2		
Pollutant: Opacity		
Main Standard: 30 TAC 111.111(a)(1)(C)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Same as PM-P-001		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Same as PM-P-001	Minimum Frequency: Once per year	
Averaging Period: N/A		
Periodic Monitoring Text: Same as PM-P-001		

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Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CB-0038-Q	RN No.: 100218973	CN: 600130017
Permit No: O1956	Project No.: TBD	
Area Name: Polypropylene Plant		
Company Name: Formosa Plastics Corporation, Texas		
II. Unit/Emission Point/Group/Process Information		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: PP1-CT		
Applicable Form: OP-UA13		
III. Applicable Regulatory Requirement		
Name: Chapter 111		
SOP/GOP Index No.: R1111-2		
Pollutant: Opacity		
Main Standard: 30 TAC 111.111(a)(1)(C)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Same as PM-P-001		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Same as PM-P-001	Minimum Frequency: Once per year	
Averaging Period: N/A		
Periodic Monitoring Text: Same as PM-P-001		

Texas Commission on Environmental Quality
Monitoring Requirements
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Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CB-0038-Q	RN No.: 100218973	CN: 600130017
Permit No: O1956	Project No.: TBD	
Area Name: Polypropylene Plant		
Company Name: Formosa Plastics Corporation, Texas		
II. Unit/Emission Point/Group/Process Information		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: PP2-CT		
Applicable Form: OP-UA13		
III. Applicable Regulatory Requirement		
Name: Chapter 111		
SOP/GOP Index No.: R1111-2		
Pollutant: Opacity		
Main Standard: 30 TAC 111.111(a)(1)(C)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Same as PM-P-001		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Same as PM-P-001	Minimum Frequency: Once per year	
Averaging Period: N/A		
Periodic Monitoring Text: Same as PM-P-001		

Texas Commission on Environmental Quality
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Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CB-0038-Q	RN No.: 100218973	CN: 600130017
Permit No: O1956	Project No.: TBD	
Area Name: Polypropylene Plant		
Company Name: Formosa Plastics Corporation, Texas		
II. Unit/Emission Point/Group/Process Information		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: PP2-CT3		
Applicable Form: OP-UA13		
III. Applicable Regulatory Requirement		
Name: Chapter 111		
SOP/GOP Index No.: R1111-2		
Pollutant: Opacity		
Main Standard: 30 TAC 111.111(a)(1)(C)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Same as PM-P-001		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Same as PM-P-001	Minimum Frequency: Once per year	
Averaging Period: N/A		
Periodic Monitoring Text: Same as PM-P-001		

Appendix D Unit Attributes Forms

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
	O1956	100218973

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
B615	R5211-1	Other							
B810	R5211-1	Other							
B820	R5211-1	Other							

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
	O1956	100218973

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
1018	R1111-1	NO	NO			
1067	R1111-1	NO	NO			

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
	O1956	100218973

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
1018	63A-1	YES	YES	STEAM	60-	
1067	63A-1	YES	YES	STEAM	60-	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 44)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/ Modification Date	VOC Service	Design Capacity	Equipment in Vacuum Service	VOC Service Less Than 300 Hours
PP1-FUG	60DDD-1	PROPYL	YES	89+	SOME	1000+	NO	
PP2-FUG	60DDD-1	PROPYL	YES	89+	SOME	1000+	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 45)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components							
		Pumps							
		Light Liquid Service	EEL	EEL ID No.	Complying with § 60.482-2	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
PP1-FUG	60DDD-1	YES	NO		YES	NO			
PP2-FUG	60DDD-1	YES	NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 46)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Flanges and Other Connectors	EEL	EEL ID No.	Complying with § 60.482-8	Compressors	EEL	EEL ID No.	Complying with § 60.482-3
PP1-FUG	60DDD-1	NO				YES	NO		YES
PP2-FUG	60DDD-1	NO				YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 47)
Federal Operating Permit Program
Table 5d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components								
		Pressure Relief Devices								
		Gas/Vapor Service	Light Liquid or Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8	Sampling Connection Systems	EEL	EEL ID No.	Complying with § 60.482-5
PP1-FUG	60DDD-1	YES	NO	NO		YES	YES	NO		YES
PP2-FUG	60DDD-1	YES	NO	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 48)
Federal Operating Permit Program
Table 5e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)								
		Valves								
		Gas/Vapor or Light Liquid Service	2.0%	EEL	EEL ID No.	Complying with § 60.482-7	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
PP1-FUG	60DDD-1	YES		NO		YES	NO			
PP2-FUG	60DDD-1	YES		NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 49)
Federal Operating Permit Program
Table 5f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
		Open-ended Valves or Lines	EEL	EEL ID No.	Complying with § 60.482-6	Closed-Vent (or Vapor Collection) Systems	EEL	EEL ID No.	Complying with § 60.482-10
PP1-FUG	60DDD-1	YES	NO		YES	NO			
PP2-FUG	60DDD-1	YES	NO		YES	NO			

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 50)
Federal Operating Permit Program
Table 5g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)									
Unit ID No.	SOP Index No.	Vapor Recovery System	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.	Enclosed Combustion Device	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.
PP1-FUG	60DDD-1	NO					NO				
PP2-FUG	60DDD-1	NO					NO				

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 51)
Federal Operating Permit Program
Table 5h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Unit ID No	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)					Title 40 CFR Part 60, Subpart DDD Fugitive Unit Description
		Flare	BEEL	BEEL ID No.	Complying with § 60.482-10	Control Device ID No.	
PP1-FUG	60DDD-1	YES	NO		YES	1018/1067	Manufacturing Fugitives
PP2-FUG	60DDD-1	YES	NO		YES	1018/1067	Manufacturing Fugitives

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
	01956	100218973

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
PO-CT	63Q-1	NO	
PP1-CT	63Q-1	NO	
PP2-CT	63Q-1	NO	
PP2-CT3	63Q-1	NO	

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
PO-CT	R1111-2	NO		OTHER	NONE	72+	100+
PP1-CT	R1111-2	NO		OTHER	NONE	72+	100+
PP2-CT	R1111-2	NO		OTHER	NONE	72+	100+
PP2-CT3	R1111-2	NO		OTHER	NONE	72+	100+

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 3)
Federal Operating Permit Program
Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
1018	R5121-2	NO	NO	SPECVOC		100+	30k+	
1067	R5121-2	NO	NO	SPECVOC		100+	30k+	
1F-405	R5121-1	NO	NO	SPECVOC		100-	30k-	
2F-405	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP2-3F405	R5121-1	NO	NO	SPECVOC		100-	30k-	
B-231	R5121-1	NO	NO	SPECVOC		100-	30k-	
B-242	R5121-1	NO	NO	SPECVOC		100-	30k-	
B292-A	R5121-1	NO	NO	SPECVOC		100-	30k-	
B292-B	R5121-1	NO	NO	SPECVOC		100-	30k-	
B-406	R5121-1	NO	NO	SPECVOC		100-	30k-	
D-407	R5121-1	NO	NO	SPECVOC		100-	30k-	

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
PP2-3D407	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-343	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-346	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-402	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP2-3F402	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-443	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-446	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-543	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-546	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-743A	R5121-1	NO	NO	SPECVOC		100-	30k-	
F-746	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP1-300	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP1-400	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP1-500	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP1-700	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP2-T1	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP2-T2	R5121-1	NO	NO	SPECVOC		100-	30k-	
PP2-T3	R5121-1	NO	NO	SPECVOC		100-	30k-	

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 4)
Federal Operating Permit Program
Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
1018	R5121-2	NONE		FLARE	1018
1067	R5121-2	NONE		FLARE	1067
F-346	R5121-1	NONE			
1F-405	R5121-1	NONE			
2F-405	R5121-1	NONE			
PP2-3F405	R5121-1	NONE			
B-231	R5121-1	NONE			
B-242	R5121-1	NONE			
B292-A	R5121-1	NONE			
B292-B	R5121-1	NONE			
B-406	R5121-1	NONE			
D-407	R5121-1	NONE			
PP2-3D407	R5121-1	NONE			
F-343	R5121-1	NONE			

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
F-402	R5121-1	NONE			
PP2-3F402	R5121-1	NONE			
F-443	R5121-1	NONE			
F-446	R5121-1	NONE			
F-543	R5121-1	NONE			
F-546	R5121-1	NONE			
F-743A	R5121-1	NONE			
F-746	R5121-1	NONE			
PP1-300	R5121-1	NONE			
PP1-400	R5121-1	NONE			
PP1-500	R5121-1	NONE			
PP1-700	R5121-1	NONE			
PP2-T1	R5121-1	NONE			
PP2-T2	R5121-1	NONE			
PP2-T3	R5121-1	NONE			

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/Modification Date	Experimental Process Line	Modified After Applicability Date	Table 2 Threshold Emission Rates
PP1-UNIT	60DDD-2	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3aF	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3bF	PROPYL	YES	89+	NO		MORE
PP1-UNIT	60DDD-3F	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-2	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3a	PROPYL	YES	89+	NO		MORE
PP2-UNIT	60DDD-3b	PROPYL	YES	89+	NO		MORE

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PP1-UNIT	60DDD-2	1-	BOTH	1.6+	0.1+
PP1-UNIT	60DDD-3aF	1-	BOTH	1.6-	0.1-
PP1-UNIT	60DDD-3bF	1-	BOTH	1.6-	0.1+
PP1-UNIT	60DDD-3F	1-	BOTH	1.6+	0.1-
PP2-UNIT	60DDD-2	1-	BOTH	1.6+	0.1+
PP2-UNIT	60DDD-3	1-	BOTH	1.6+	0.1-
PP2-UNIT	60DDD-3a	1-	BOTH	1.6-	0.1-
PP2-UNIT	60DDD-3b	1-	BOTH	1.6-	0.1-

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Control of Continuous Emissions	Continuous Control Device	Control Device ID No.	Annual Emissions Entering the Control Device	Table 3 Control Requirements	Emission Reduction From Control Device
PP1-UNIT	60DDD-2	ALL	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3aF	SOME	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3bF	SOME	FLARE	1018/1067	N/A	N/A	98+
PP1-UNIT	60DDD-3F	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-2	ALL	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3a	SOME	FLARE	1018/1067	N/A	N/A	98+
PP2-UNIT	60DDD-3b	SOME	FLARE	1018/1067	N/A	N/A	98+

Texas Commission on Environmental Quality
Polymer Manufacturing Attributes
Form OP-UA28 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

Date	Permit No.	Regulated Entity No.
	O1956	100218973

Process ID No.	SOP Index No.	Emergency Vent	Existing Control Device	Intermittent Control Device	Control Device ID No.
PP1-UNIT	60DDD-2	NO	YES		
PP1-UNIT	60DDD-3aF	NO	YES		
PP1-UNIT	60DDD-3bF	NO	YES		
PP1-UNIT	60DDD-3F	NO	YES		
PP2-UNIT	60DDD-2	NO	YES		
PP2-UNIT	60DDD-3	NO	YES		
PP2-UNIT	60DDD-3a	NO	YES		
PP2-UNIT	60DDD-3b	NO	YES		

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 8)
Federal Operating Permit Program

Table 5a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	Ammonium Sulfate	Other Operations	63.100 CMPU	G2/<1000 Lb/Yr	2525E1
1018	63FFFF-1	NO	YES	NO	NO	
1067	63FFFF-1	NO	YES	NO	NO	
D-106	63FFFF-1	NO	YES	NO	NO	
1F-405	63FFFF-1	NO	YES	NO	NO	
2F-405	63FFFF-1	NO	YES	NO	NO	
PP2-3F405	63FFFF-1	NO	YES	NO	NO	
C-352A/B	63FFFF-1	NO	YES	NO	NO	
D-101	63FFFF-1	NO	YES	NO	NO	
D-102	63FFFF-1	NO	YES	NO	NO	
D-103	63FFFF-1	NO	YES	NO	NO	

Process ID No.	SOP Index No.	Ammonium Sulfate	Other Operations	63.100 CMPU	G2/<1000 Lb/Yr	2525E1
D-107	63FFFF-1	NO	YES	NO	NO	
D-108	63FFFF-1	NO	YES	NO	NO	
D-910	63FFFF-1	NO	YES	NO	NO	
3C-352A/B	63FFFF-1	NO	YES	NO	NO	
3D-101	63FFFF-1	NO	YES	NO	NO	
3D-102	63FFFF-1	NO	YES	NO	NO	
3D-103	63FFFF-1	NO	YES	NO	NO	
3D-109	63FFFF-1	NO	YES	NO	NO	
F-402	63FFFF-1	NO	YES	NO	NO	
PP2-3F402	63FFFF-1	NO	YES	NO	NO	
PP2-FUG	63FFFF-1	NO	YES	NO	NO	
PRU UNIT	63FFFF-1	NO	YES	NO	NO	

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 9)
Federal Operating Permit Program

Table 5b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	Startup 2003	Shared Batch Vent	PUG	Startup 2002	PP Alt	Cont Proc
1018	63FFFF-1	YES	NO	NO	YES	NO	
1067	63FFFF-1	YES	NO	NO	YES	NO	
D-106	63FFFF-1	YES	NO	NO	YES	NO	
1F-405	63FFFF-1	YES	NO	NO	YES	NO	
2F-405	63FFFF-1	YES	NO	NO	YES	NO	
PP2-3F405	63FFFF-1	YES	NO	NO	NO		
C-352A/B	63FFFF-1	YES	NO	NO	YES	NO	
D-101	63FFFF-1	YES	NO	NO	YES	NO	
D-102	63FFFF-1	YES	NO	NO	YES	NO	
D-103	63FFFF-1	YES	NO	NO	YES	NO	

Process ID No.	SOP Index No.	Startup 2003	Shared Batch Vent	PUG	Startup 2002	PP Alt	Cont Proc
D-107	63FFFF-1	YES	NO	NO	YES	NO	
D-108	63FFFF-1	YES	NO	NO	YES	NO	
D-910	63FFFF-1	YES	NO	NO	YES	NO	
3C-352A/B	63FFFF-1	YES	NO	NO	YES	NO	
3D-101	63FFFF-1	YES	NO	NO	YES	NO	
3D-102	63FFFF-1	YES	NO	NO	YES	NO	
3D-103	63FFFF-1	YES	NO	NO	YES	NO	
3D-109	63FFFF-1	YES	NO	NO	YES	NO	
F-402	63FFFF-1	YES	NO	NO	YES	NO	
PP2-3F402	63FFFF-1	YES	NO	NO	NO		
PP2-FUG	63FFFF-1	YES	NO	NO	YES	NO	
PRU UNIT	63FFFF-1	YES	NO	NO	YES	NO	

Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes
Form OP-UA60 (Page 10)
Federal Operating Permit Program

Table 5c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes

Date:	Permit No.: O1956	Regulated Entity No.: 100218973
Area Name: Polypropylene Plant		Customer Reference No.: 600130017

Process ID No.	SOP Index No.	>1000 Lb/Yr	Reduction	New Source	HAP Metals	Fabric Filter	Small CD	Design Eval	Batch Proc Vents
1018	63FFFF-1	NO		NO					No
1067	63FFFF-1	NO		NO					No
D-108	63FFFF-1	NO		NO					No
1F-405	63FFFF-1	NO		NO					No
2F-405	63FFFF-1	NO		NO					No
PP2-3F405	63FFFF-1	NO		NO					No
C-352A/B	63FFFF-1	NO		NO					No
D-101	63FFFF-1	NO		NO					No
D-102	63FFFF-1	NO		NO					No
D-103	63FFFF-1	NO		NO					No
D-106	63FFFF-1	NO		NO					No
D-107	63FFFF-1	NO		NO					No
D-108	63FFFF-1	NO		NO					No

Process ID No.	SOP Index No.	>1000 Lb/Yr	Reduction	New Source	HAP Metals	Fabric Filter	Small CD	Design Eval	Batch Proc Vents
D-910	63FFFF-1	NO		NO					No
3C-352A/B	63FFFF-1	NO		NO					No
3D-101	63FFFF-1	NO		NO					No
3D-102	63FFFF-1	NO		NO					No
3D-103	63FFFF-1	NO		NO					No
3D-109	63FFFF-1	NO		NO					No
F-402	63FFFF-1	NO		NO					No
PP2-3F402	63FFFF-1	NO		NO					No
PP2-FUG	63FFFF-1	NO		NO					No
PRU UNIT	63FFFF-1	NO		NO					No

Appendix E Alternative Method of Compliance

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 14, 2016

MR RICK CRABTREE
ASSISTANT GENERAL MANAGER
FORMOSA PLASTICS CORPORATION TEXAS
PO BOX 700
POINT COMFORT TX 77978-0700

Re: Alternative Method of Compliance (AMOC) No. 66
Alternative Monitoring For Cooling Towers
Formosa Point Comfort Plant
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017
Associated Permit Numbers: 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, PSDTX760M9, O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421

Dear Mr. Crabtree:

This correspondence is in response to Formosa Plastics Corporation, Texas's (Formosa's) request for Alternative Monitoring for all cooling towers (CT) at the Formosa Point Comfort Plant. The AMOC is used to comply with requirements for sampling and analysis of VOCs in cooling tower feed water and makeup water.

We understand that Formosa is requesting clarification and confirmation of the alternative VOC sampling procedure for all authorized CT at the site installed on similar product processes (see Attachment 1). This alternative method was previously approved for Formosa on December 2, 1992, January 11, 1996, and August 1997.

The alternative VOC sampling (referenced in historical correspondence as FPC TX VOC IN WATER AND WASTEWATER) is equivalent to Test Method 8020A. The method is detailed in Attachment 2 and should provide representative concentrations of non-methane hydrocarbons to comply with the above-referenced permits. This alternative method does not apply to any requirements that may in 40 Code of Federal Regulations Part 60, New Source Performance Standards (NSPS), 40 Code of Federal Regulations Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP), or 40 Code of Federal Regulations Part 63, Maximum Achievable Control Technology (MACT) Standards for Hazardous Air Pollutants.

Re: AMOC #66

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, and PSDTX760M9. To ensure effective and consistent enforceability, we request that Formosa incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval, if not already included.

This approval may also change applicable requirements for the site, which are identified in the site operating permits (SOP) O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

cc: Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 255806

Attachment 1 - Summary of Cooling Towers and Authorizations				
Permit Nos.	**Type of Process**	**Plant**	**EPNs**	**Previous Approval**
19166, HAP10, PSDTX760M9, O1951	Inorganic	Utilities Plant	Not identified on MAERT	12/2/1992
19167, O1953	Inorganic	Caustic Chlorine Plant	Not identified on MAERT (shares with EDC-CT)	1/11/1996
76044, PSDTX1053, O3421	Inorganic	Pet Coke / Coal Fired Generation	CT-1 through CT-12	N/A
19168, PSDTX1226, O1958	Organic Olefins	Olefins I Olefins II GHU PPU FRACII	1010 1064 8801U FRACII-CT	N/A
107518, PSDTX1383 SOP PENDING	Organic Olefins	Olefins III PDII	OL3-CTWR PDII-CWTR	N/A
19201, PSDTX1232 O1957	Organic Polyolefins	HDPE I	PO-CT	1/11/1996
40157, PSDTX1222 O1957	Organic Polyolefins	HDPE II	PP2-CT	N/A
20203, PSDTX1224 O1957	Organic Polyolefins	LLDPE	LL-CT	12/2/1992
107520, PSDTX1384 SOP PENDING	Organic Polyolefins	LDPE	LD-CT	N/A
19200, PSDTX1237, O1956	Organic Polyolefins	Polypropylene I Plant (PP I)	PO-CT PP1-CT	1/11/1996
91780, PSDTX1240 O1956	Organic Polyolefins	PP II	PP20CT	N/A
127838 SOP PENDING	Organic Polyolefins	HDPE 3	PE3-12	N/A
19199, PSDTX1238 O1953	Organic Other	Ethylene Dichloride (EDC)	2C-C1 2C-C2 EDC-CT	
7699, PSDTX226M7 O1954	Organic Other	EDC Cracking, VCM, PVC	999 VW-C02 VW-C11	12/2/1992
19198, PSDTX1234 O1484	Organic Other	Ethylene Glycol (EG)	EG-CT	8/1997
128752 SOP PENDING	Organic Other	EG 2	EG2-CT	N/A
76305, PSDTX1058 O3409	Organic Other	Specialty PVC	CT-01	N/A

Mr. Wilson
June 11, 2015

Attachment 2

VOC in Water and Wastewater by TACB-VOC Method Procedure

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACR-VOC METHOD

Revision Number: 0

1.0 PURPOSE *

In an effort to maintain Quality, Efficiency, Safety, and Environmental Responsibility, this procedure has been developed for L.S. & Q.A. Department Operation.

2.0 SCOPE *

This method is for the analysis of water and wastewater samples containing volatile organic compounds (VOC) and non-methane hydrocarbons (NMHC). It is intended for analyzing treated and un-treated water and wastewater streams permitted in FPC expansion complex.
This method can be used to quantitate volatile organic compounds that have boiling points less than 200°C and are insoluble or slightly soluble in water.

3.0 ORGANIZATIONS AFFECTED

This procedure affects operation within the L.S. & Q.A. Department and any other department that may request this analysis.

4.0 RESPONSIBILITIES

Personnel	Responsibility
Management/Supervision	Responsible for development and implementation of the procedure, training material, and training of subordinates
QA/QC	Responsible for auditing the performance of the procedure.
Lab Technician	Responsible for knowing and performing analysis per procedure.

5.0 DEFINITIONS

VOC . *Volatile Organic Compounds (VOC)* are organic compounds that have boiling points approximately less than 200°C.

6.0 KEY POINTS

Not applicable.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: 5

7.0 POLICIES *

This procedure has been developed to insure adherence to FPC Quality, Environmental, Health and Safety Policies, FPC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual compounds are detected using a flame ionization detector. The resultant peaks are summed and quantitated against external calibration curve constructed using benzene as a standard.

GC FID

Interferences

Major contaminate peaks are volatile materials in the laboratory and impurities in the inert purging gas carriage gas. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol serves as a check on any possible contamination of sample.

Safety Considerations

The use of proper glasses, safety glasses, and PRC should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water samples are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. Two vials per sampling event must be collected at a minimum per sample point. The containers must be filled in such manner that no air bubbles pass through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (HMSL-Cl, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < ¼ in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 3

7.0 POLICIES *

This procedure has been developed to insure adherence to FPC Quality, Environmental Health and Safety Policies, FPC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

GC FID

Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual components are detected using a flame ionization detector. The resultant peaks are summed and quantitated against external calibration curve constructed using benzene as a standard. ?

Interferences

Major contaminate peaks are volatile materials in the laboratory and impurities in the inert purging of carrier gas. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a check for any possible contamination of sample.

Safety Considerations

The use of proper gloves, safety glasses, and PPE should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water sample are collected in 40mL vial with a Teflon-lined septum and an open top screw-cap. Two vials per sampling event must be collected at a minimum per sample point. The containers must be filled in such manner that no air bubbles pass through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (EMSL-CI, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < ¼ in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACH-VOC METHOD

QC Requirements

QC	DESCRIPTION	FREQUENCY	CRITERIA	CORRECTIVE ACTION
MB	Method blank; Organic-free reagent water	1/10 sample	<20 ppb Which is the amount of the lowest std.	Investigate system contamination; correct the problem and reanalyze the samples.
ICV	Initial Calibration verification, Benzene: 100 ppb.	1/10 sample	20% deviation from actual value. (80 ppb-120 ppb)	Check the system malfunction. Correct the instrument problem and reanalyze. Perform initial calibration after the third failure.

Calculations

Deviation(%)

$$D = \frac{|X - T|}{T} \times 100$$

Where, D = percent deviation
X = the observed value for the measurement
T = "actual" value for the measurement

Precision and Accuracy

None

Reporting

1. Analytical reporting limit is 0.20 ppb (ug/L).
2. All verified results must be entered in LIMS and/or the appropriate non-routine log sheet upon completion.
3. For the purpose of reporting to applicable agencies, preliminary results from LIMS may be used to prevent greater than 48hr delay in reporting time.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

9.0 PROCEDURES

9.1 *Standard Preparation*

9.1.2 Calibration Standards

Fill 40 mL VOA vials with reagent water, taking care not to trap any air in the vial. Add the Calibration Standard (AS-10004) to the vial using a clean microsyringe [illegible] following list to prepare the calibration standards:

	Stock solution
Blank	0.0 uL
20 ppb	0.8 uL
50 ppb	2.0 uL
100 ppb	4.0 uL
250 ppb	10.0 uL
500 ppb	20.0 uL
1000 ppb	40.0 uL

9.1.3 Initial Calibration Verification Standard: Upon opening the certified benzene standard (e.g. M502-01-10X), transfer to a 1 mL reaction vial and cap with [illegible] syringe valve. This standard may be good up to 6 months, but should be replaced if ICV fails. Fill a 40 mL VOA vial with Reagent water, taking care not to trap any air in the vial. Add 2.0 uL to the vial using a clean microsyringe for a 100 ppb std.

9.1.4 All standard preparation activities must be logged in the standards logbook.

9.2 *Instrument Setup*

9.2.1 GC/FID is configured as follows:

Inlet
Mode: split — Gas: Helium
Heater: 250 °C
Pressure: [illegible]
Total Flow: 102 mL/min
Split ratio: [illegible]
Split Flow: [illegible] mL/min

Column
Mode: Const Pressure
Pressure: 8.0 psi
Flow: 10.0 mL/min
Average Velocity: 86 cm/sec.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 5.0

Oven
Setpoint: 50 °C Oven Maximum: 300 °C
Equilibration: 0.5 min

Oven Ramp	°C/min	Next °C	Hold min	Run Time
Initial		50	2.00	2.00
Ramp 1	20.00	250	9.00	16.00
Post Run		50	0	16.00

Detector:
Heater: 280 °C
H2 flow 40.0 mL/min
Air Flow 450 ml/min
Makeup Flow (He): 25.0 mL/min
Flame: On

9.2.2 Purge-and-Trap (OI 4560):

Purge flow	35.0 mL/min
Purge	11 min at 25 °C
Desorb	2 min at 180 °C
Bake	10 min at 185 °C
Transfer line	100 °C
Valve	100 °C
Sample size	5 mL
Drypurge	1 min

9.3 *Re- Calibration*

9.3.1 Recalibration is performed once a year or when new ICV fails 20% recovery. Prior to re-calibration, GC and sample lines are baked out. Raise the GC oven temp to 250°C and bake for at least 30 min. It is also necessary to cycle the purge-and-trap through one bake cycle to ensure that there are no contaminates present in the trap. After 30 min lower GC temp to 50°C.

9.3.2 Prepare the calibration standards as outlined in 9.1.2 just prior to analysis. Load the standard vials in the correct slots of the autosampler and prepare following re-calibration sequence in the Method and Run control window of the Chemstation Software. Start the sequence by following steps from 9.4.4 to 9.4.9.

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Mr. Rick Crabtree

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number: [illegible]

Re-calibration sequence:

Line:	Vial	Sample Name	Method Name	Inj/Vial	Sample Type	Cal Level	Update RF	Update RT
1	1	MH (Blank)	TACB-VOC	1	Sample			
2	1	20 ppb	TACB-VOC	1	Calibration	1	Replace	No Update
3	1	50 ppb	TACB-VOC	1	Calibration	2	Replace	No Update
4	1	100 ppb	TACB-VOC	1	Calibration	3	Replace	Replace
5	1	250 ppb	TACB-VOC	1	Calibration	4	Replace	No Update
6	1	500 ppb	TACB-VOC	1	Calibration	5	Replace	No Update
6	1	1000 ppb	TACB-VOC	1	Calibration	6	Replace	No Update

9.3.3 In the data analysis window of the Chemstation Software, load the chromatogram for the blank (reagent water). Check to see that there are no contamination peaks. For some low level analysis, a small peak will show at the beginning of the run. This is due to a pressure change on column when the sampler injects. If a calibration exists, the run should be less than two times the lower analytical limit for the analysis.

9.3.4 Open the calibration file and check to see that there are only two significant peaks. The first peak will be the solvent or methanol peak. The peaks should be sharp with minimum tailing. If there are more than two peaks, the calibration stock or reagent water is contaminated. Correct this condition and begin the calibration again.

9.3.5 Once the calibration files are integrated, the results must be assembled in a linear calibration curve. Display the calibration curve and check that the fit is at least $R^2 \geq 0.990$. Calculate a new area reject from the Calibration curve [illegible] = number value x amount + 0" (the number value is the slope of the calibration curve. The amount is 20). Enter this new area into the integration events table in the value line for area reject.

9.3.6 Calibration [illegible] uncalibrated peaks using compound based. The parameters should sum all the individual peak areas of chromatogram.

9.4 Sample Analysis

9.4.1 Composite sample: A volumetric composite is performed by combining the chilled (4°C) samples collected during a weeklong sampling event in a chilled jar that is surrounded by ice. This must be performed quickly to prevent loss of volatile component. The sample is mixed and transferred to 40mL VOA.

LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Note: The volumetric composite may not reflect the true emissions over a week long period due to fluctuations in flow rate of the stream to be tested.

9.4.2 For grab samples, directly use the vial that the sample was received in.

9.4.3 Load the samples in the autosampler racks noting their positions.

9.4.4 Bring up the window P & T 6890C (online): Method & Run control by Click Start / Programs/HP Chemstation /instrument online if it is not opened on the computer monitor.

9.4.5 Click Sequence/Load Sequence to load an existing sequence.

9.4.6 Click Sequence/Sequence Parameter to change the Subdirectory to today's date.

9.4.7 Click Sequence/Sequence Table to edit the sequence at the data station. Enter the sample information in a sequence file located in the data station. Be sure that the vial positions correspond with vial locations and the correct method is chosen for the analysis

Following sequence table is an example:

Line	Vial	Sample Name	Method Name	# Of Vial	Sample Type
1	1	MB (Blank)	TACB-VOC	1	Sample
2	1	ICV	TACB-VOC	1	Sample
3	1	OL1 CWR 2/5	TACB-VOC	1	Sample
4	1	OL1 CWR 2/5	TACB-VOC	1	Sample
5	1	OL2 CWR 2/08	TACB-VOC	1	Sample
6	1	OL2 CWR 2/08	TACB-VOC	1	Sample
7	1	OHU CWR 2/5	TACB-VOC	1	Sample
8	1	OHU CWR 2/5	TACB-VOC	1	Sample
9	1	T971 2/1-2/7	TACB-VOC	1	Sample
10	1	T971 2/1-2/7	TACB-VOC	1	Sample
11	1	CWTP 2/1-2/7	TACB-VOC	1	Sample
12	1	LLDPE CWR 2/3	TACB-VOC	1	Sample
13	1	MB	TACB-VOC	1	Sample
14	1	ICV	TACB-VOC	1	Sample
15	1	Sample	TACB-VOC	1	Sample
16	1	Sample	TACB-VOC	1	Sample

Note: Method blank and calibration verification need be run every 10 samples.

9.4.8 Press Run Sequence button. Now system is ready and waiting for Purge-and-trap device to start.

9.4.9 Purge-and-trap device preparation:
(1) Push **SPL** button on the front panel, the window will show: I.S51 start: end:
(2) Set the start and end positions that need match with actual sample position and run sequence, use Arrow ON button and OFF button to switch between start and end, then use keypad to key in position number.

(3) Press Roter key, then press Clear button, then press Start button to run the sequence.

9.4.10 Once data have been generated, check that the chromatograms have been integrated correctly. Samples that are 10 % out of the analytical range for the determination must be diluted and re-analyzed using the appropriate methodology (See table 1).

10.0 TRAINING REQUIREMENTS

Personnel who perform this analysis will be required to complete the following training requirements:

Period	Requirement
Initial	SOP Training, Test, and Job Qualification
Annual Refresher and Procedure Revision	SOP Training and Test
Audit Finding	SOP Training, Test and Job Qualification

11.0 FLOWCHART

Not applicable

12.0 REFERENCES

1. "Guidelines for preparation of Policies, Guidelines, and Procedures," FTC TQM Manual.
2. Test Method for Evaluating Solid Waste (SW-846), "Determinative Chromatographic Separations," Revision 3, March 2003, Method 8000C.
3. Test Method for Evaluating Solid Waste (SW-846), "Purge and Trap for Aqueous Samples," Revision 3, MAY 2003, Method 5030C.
4. Test Method for Evaluating Solid Waste (SW-846), "Organic Analytes," Revision 4, February 2007, Chapter Four, Section I. (for sample storage)

13.0 RECORD RETENTION PERIOD

Records produced by using this procedure will be retained for a period of not less than 5 years.

14.0 ATTACHMENTS

Table 1
Figure 1: Chromatogram of Calibration Standard and Sample Run
Attachment 1: TNRCC Approval Letter

TABLE 1. Examples of sample dilution

Add the required amount of high concentration sample to a 50 mL volumetric flask, and then bring level to exact 50 mL with organic-free reagent water.

Dilution factor	High concentration sample	Total volume
30000	1.67 µL	50 mL
20000	2.5 µL	50 mL
10000	5 µL	50 mL
5000	10 µL	50 mL
4000	12.5 µL	50 mL
3000	16.7 µL	50 mL
2000	25 µL	50 mL
1000	50 µL	50 mL
500	100 µL	50 mL
400	125 µL	50 mL
300	167 µL	50 mL
200	250 µL	50 mL
100	500 µL	50 mL
90	556 µL	50 mL
80	625 µL	50 mL
70	714 µL	50 mL
60	833 µL	50 mL
50	1 ml	50 mL
40	1.25 mL	50 mL
30	1.67 mL	50 mL
20	2.5 mL	50 mL
10	5 mL	50 mL
5	10 mL	50 mL
2	25 mL	50 mL

Figure 1: Sample Chromatogram
Calibration Standard Run

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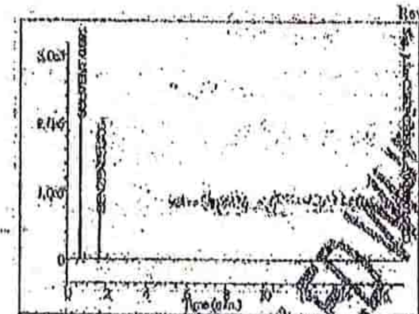
Mr. Rick Crabtree

Re: AMOC #66

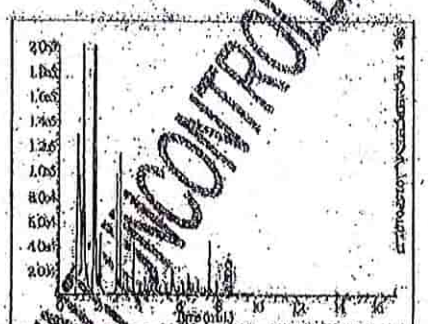
LABORATORY STANDARD OPERATING PROCEDURES

VOC IN WATER AND WASTEWATER BY TACB/VOC METHOD

Revision Number:



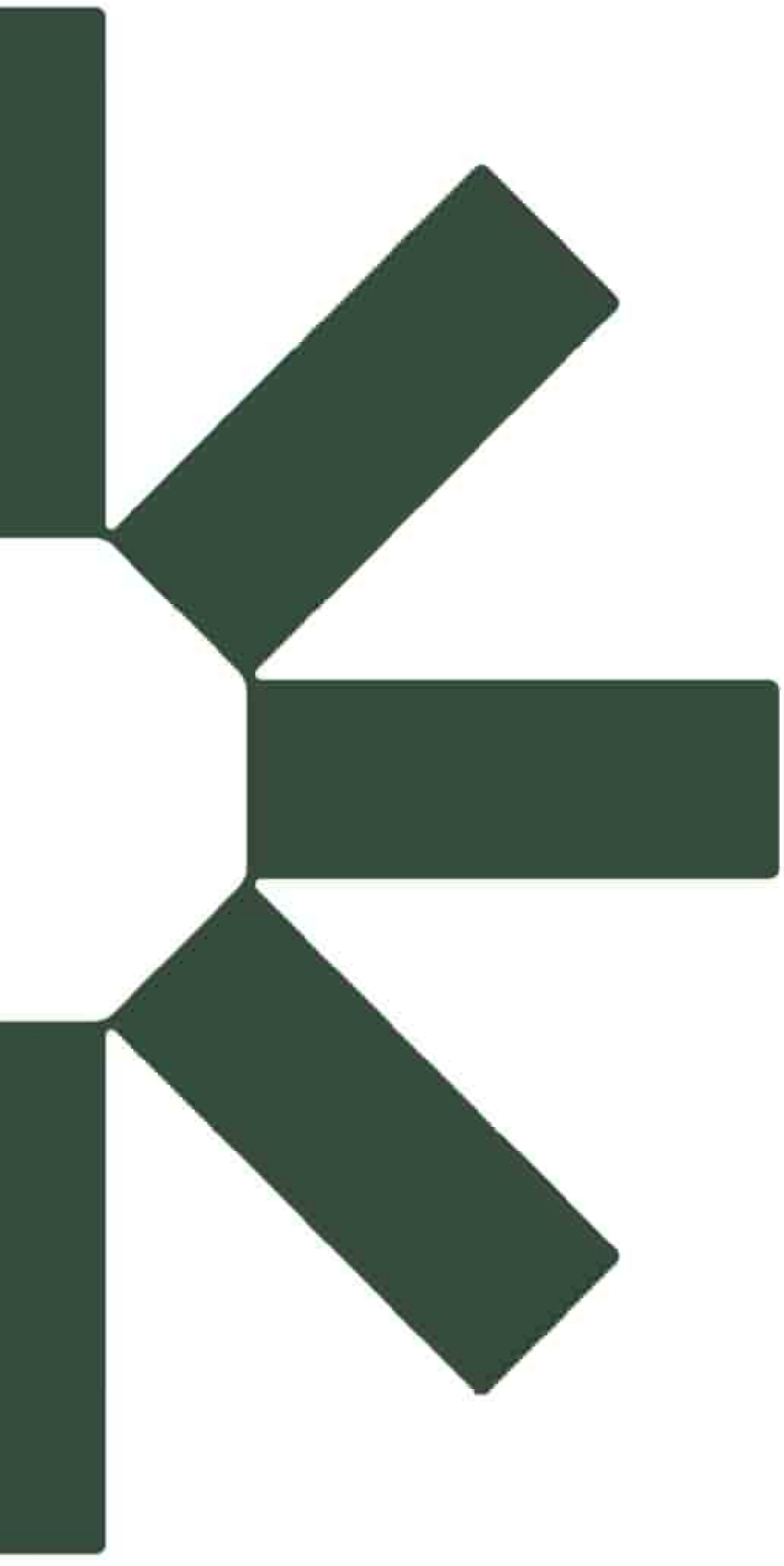
Sample Run



Attachment 1: TNRCC Approval Letter

The next page is a copy of the approval letter from the TNRCC.

SLR



Making Sustainability Happen

Texas Commission on Environmental Quality

Title V Existing

1956

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	POLYPROPYLENE PLANT
County	CALHOUN
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 (###-###-####)	
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.	MIKE RIVET(FORMOSA PLASTIC...)
Organization Name	FORMOSA PLASTICS CORPORATION TEXAS
Prefix	MR
First	MIKE
Middle	
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
Prefix	MS
First	LeAnn
Middle	
Last	Usoff
Suffix	
Credentials	
Title	Air Permitting Assistant 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 (###-###-####)	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?	Renewal
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	OP_2_PPI+&+PPII+Title+V+(O1956)+Renewal+Application+FINAL+-+05.14.2024(v3).signed.pdf
Hash	4700AC78FBD7E12B39558FC7AE43A04DDC76ADFF789C1827F28CE0FD59FC3258
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

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 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 1956.
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:	2024-05-14
Signature Hash:	1D96686854B12E0F5FA241401E07955B06BD2257800F82BF7A872089D866131A
Form Hash Code at time of Signature:	D8224FEE9096AB407762A59F4CF749BEE4258D5097919AE3A7F7F84213AD4BB8

Submission

Reference Number:	The application reference number is 654202
Submitted by:	The application was submitted by ER093335/Mike Rivet
Submitted Timestamp:	The application was submitted on 2024-05-14 at 15:17:06 CDT
Submitted From:	The application was submitted from IP address 24.116.223.222
Confirmation Number:	The confirmation number is 540288
Steers Version:	The STEERS version is 6.74
Permit Number:	The permit number is 1956

Additional Information

Application Creator: This account was created by Leann Usoff