Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARROWHEAD GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN109496638
What is the name of the Regulated Entity (RE)?	ARROWHEAD GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Facility NAICS Code	211112
What is the primary business of this entity?	

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606187110
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	ET Gathering & Processing LLC
Texas SOS Filing Number	805195570
Federal Tax ID	

State Franchise Tax ID	32091185952
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	ET Gathering & Processing LLC
Prefix	MR
First	Christopher
Middle	
Last	Thompson
Suffix	
Credentials	
Title	Vice President Operations
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	303 VETERANS AIRPARK LN
Routing (such as Mail Code, Dept., or Attn:)	
City	MIDLAND
State	TX
ZIP	79705
Phone (###-###-####)	4325228909
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	christopher.thompson@energytransfer.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Same as another contact?	
Organization Name	ET Gathering & Processing LLC
Prefix	MR
First	Michael
Middle	
Last	Crawford
Suffix	
Credentials	
Title	Director - Operations
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	3627 FM 516 North
Routing (such as Mail Code, Dept., or Attn:)	
City	Barstow
State	TX
Zip	79719
Phone (###-###-####)	4328889118
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	michael.crawford@energytransfer.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	Energy Transfer LP
Prefix	MR
First	James
Middle	
Last	VanAssche
Suffix	
Credentials	PE
Title	Senior Engineer - Environmental
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	8111 WESTCHESTER DR STE 600
Routing (such as Mail Code, Dept., or Attn:)	
City	DALLAS
State	TX
ZIP	75225
Phone (###-###-####)	2148405217
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	james.vanassche@energytransfer.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 17 Min 28 Sec
2) Permit Longitude Coordinate:	103 Deg 9 Min 10 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4855-39327
4) Who will electronically sign this Title V application?	Duly Authorized Representative

5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	N/A

Title V Attachments New

Attach OP-1 (Site Information Summary)

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-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]	
File Name	12678391 ET Arrowhead OP-UA10 Form v2.pdf
Hash	12AC18C5A77A98BBB6C682E1E3848F6991675C7577798C19661014FC56D2C970
MIME-Type	application/pdf
[File Properties]	
File Name	12678391 ET Arrowhead OP-UA3 Form v2.pdf
Hash	0918B4489C21C34016CB5B072731E909B14FE59CD4BF53A6EE0F7942A269BC77
MIME-Type	application/pdf

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.

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 Michael B Crawford, the owner of the STEERS account ER011066.

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 New.
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: Michael B Crawford OWNER OPERATOR

Account Number:	ER011066
Signature IP Address:	63.105.50.19
Signature Date:	2026-01-28
Signature Hash:	C57B12DF214D83E5A9DB1D022E723EC22D47136062008B20949A8235404767CE
Form Hash Code at time of Signature:	795B408342CDF2AF952FADB4BAB0F740CD1D9EE89286E8913354A015E2D66F8B

Submission

Reference Number:	The application reference number is 885337
Submitted by:	The application was submitted by ER011066/Michael B Crawford
Submitted Timestamp:	The application was submitted on 2026-01-28 at 14:42:09 CST
Submitted From:	The application was submitted from IP address 63.105.50.19
Confirmation Number:	The confirmation number is 737012
Steers Version:	The STEERS version is 6.94

Additional Information

Application Creator: This account was created by James E Vanassche

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	01/16/2026
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	O4855
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10008
APD ID Number:	37v1.0
Version Revised Date:	02/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		TK-COND	GRP-COND	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-COND2	GRP-COND2	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-SLOP	GRP-SLOP	Slop Tanks		A	Standard Permit	144703		
		TK-SLOP2	GRP-SLOP2	Slop Tanks		A	Standard Permit	144703		
		TK-MISC	GRP-MISC	Miscellaneous Tanks		A	Standard Permit	144703		
		TK-MISC2	GRP-MISC2	Miscellaneous Tanks		A	Standard Permit	144703		

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-COND	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Construction, modification, or reconstruction took place after December 6, 2022.
		GRP-SLOP	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Construction, modification, or reconstruction took place after December 6, 2022.
		GRP-COND2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-SLOP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-COND	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-COND2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-SLOP	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-SLOP2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRP-COND	60Kb-COND	PTCD-BF3	420K-							
GRP-COND2	60Kb-COND2	CRUD-BF3	420K-							
GRP-SLOP	60Kb-SLOP	VOL	20K-40K	NONE	2.2-					
GRP-SLOP2	60Kb-SLOP2	VOL	20K-40K	NONE	2.2-					
GRP-MISC	60Kb-MISC	VOL	20K-40K	NONE	2.2-					
GRP-MISC2	60Kb-MISC	VOL	20K-40K	NONE	2.2-					

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 24a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Subject to Another Regulation	PTE	Compliance Option	Control Option	Control Device ID No.
GRP-COND2	60OOOOa-COND2	15+	NO	6-			
GRP-SLOP2	60OOOOa-SLOP2	15+	NO	6-			

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	01/16/2026
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	O4855
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	07/2022
Form Number:	10037
APD ID Number:	44v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Process ID No.	Group ID No.	Process Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		PRO-AMINE		Amine Sweetening Unit	Y	A	Standard Permit	144703		
		PRO-AMINE2		Amine Sweetening Unit 2	Y	A	Standard Permit	144703		
		PRO-AMINE3		Amine Sweetening Unit 3	Y	A	Standard Permit	144703		
		PRO-AMINE4		Amine Sweetening Unit 4	Y	A	Standard Permit	144703		

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Process ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		PRO-AMINE2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Construction, modification, or reconstruction of the sweetening units took place after December 6, 2022.
		PRO-AMINE3	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Construction, modification, or reconstruction of the sweetening units took place after December 6, 2022.
		PRO-AMINE	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed, modified, or reconstructed after August 23, 2011.
		PRO-AMINE2	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed, modified, or reconstructed after August 23, 2011.
		PRO-AMINE3	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed, modified, or reconstructed after August 23, 2011.
		PRO-AMINE4	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed, modified, or reconstructed after August 23, 2011.

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-001	NO		
PRO-AMINE2	R112-001	NO		
PRO-AMINE3	R112-001	NO		
PRO-AMINE4	R112-001	NO		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions

Process ID No.	SOP/GOP Index No.	Onshore	Construction Date	Acid Gas Vented	Design Capacity
PRO-AMINE	60LLL-1	YES	11+		
PRO-AMINE2	60LLL-1	YES	11+		
PRO-AMINE3	60LLL-1	YES	11+		
PRO-AMINE4	60LLL-1	YES	11+		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Process ID No.	SOP/GOP Index No.	Construction/ Modification Date	Onshore	Facility Type	Design Capacity	Compliance Method	Control Device ID No.
PRO-AMINE	60OOOOa-1	15+	YES	SWEET	2-		
PRO-AMINE4	60OOOOa-1	15+	YES	SWEET	2-		

Go to the Table of Contents

Gabriela Chio

From: Gabriela Chio
Sent: Wednesday, January 28, 2026 3:31 PM
To: VanAssche, James
Cc: Caleb Wagaman; Sagar Chitre
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Thank you, James. Appreciate the quick turn around on the STEERS submission. Form updated were received in STEERS.

The PNAP is in its last stage of review. Once it is approved, it will be sent out soon after by "ElecRsp".

Best,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov



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

---

From: VanAssche, James <james.vanassche@energytransfer.com>
Sent: Wednesday, January 28, 2026 3:04 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Sorry about that Gaby – those additional OP-UA/REQ2 forms were just certified and submitted through STEERS by the DAR so hopefully we are all set.

If we missed anything or you need anything else in the meantime, please let us know.

Thank you for bearing with us!

James VanAssche, P.E.
James.VanAssche@energytransfer.com
O: 214.840.5217
C: 214.885.1152

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARROWHEAD GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN109496638
What is the name of the Regulated Entity (RE)?	ARROWHEAD GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Facility NAICS Code	211112
What is the primary business of this entity?	

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606187110
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	ET Gathering & Processing LLC
Texas SOS Filing Number	805195570
Federal Tax ID	

State Franchise Tax ID	32091185952
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	Christopher
Middle	
Last	Thompson
Suffix	
Credentials	
Title	VP - Operations
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	303 VETERANS AIRPARK LN
Routing (such as Mail Code, Dept., or Attn:)	
City	MIDLAND
State	TX
ZIP	79705
Phone (###-###-####)	4325228909
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Christopher.Thompson@energytransfer.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Same as another contact?	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	Michael
Middle	
Last	Crawford
Suffix	
Credentials	
Title	Director - Operations
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	1706 S MIDKIFF RD
Routing (such as Mail Code, Dept., or Attn:)	
City	MIDLAND
State	TX
Zip	79701
Phone (###-###-####)	4324382509
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Michael.Crawford@EnergyTransfer.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	James
Middle	
Last	VanAssche
Suffix	
Credentials	PE
Title	Sr. Engineer - Environmental
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	8111 WESTCHESTER DR
Routing (such as Mail Code, Dept., or Attn:)	
City	DALLAS
State	TX
ZIP	75225
Phone (###-###-####)	2148405217
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	James.VanAssche@EnergyTransfer.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 17 Min 28 Sec
2) Permit Longitude Coordinate:	103 Deg 9 Min 10 Sec
3) Is this submittal a new application or an update to an existing application?	Update
3.1. Is this application update a follow-up to an abbreviated application?	No
3.2. Select the permit/project number for which this update should be applied.	4855-39327
4) Who will electronically sign this Title V application?	Duly Authorized Representative

5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments New

Attach OP-1 (Site Information Summary)

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)

[File Properties]

File Name	OP_REQ3_12678391 ET Arrowhead OP-REQ3 Form - TCEQ Response 1-13-2026.pdf
Hash	45853B8E1E5AA0ABB8F1A5E6CB15B8BBC968F7388113D7B8CC3243E5E37698D0
MIME-Type	application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

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MIME-Type	application/pdf

Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

[File Properties]

File Name	OP_MON_12678391 ET Arrowhead OP-MON Form AGFLARE1-4 TCEQ Response 1-13-26.pdf
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MIME-Type	application/pdf

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	12678391 ET Arrowhead OP-UA12 Form TCEQ Response 1-13-26.pdf
Hash	369F8D1E495002A6102B12D9501097DC2C45591FCD591CD1C23B1929B0CE0866
MIME-Type	application/pdf

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.

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 Michael B Crawford, the owner of the STEERS account ER011066.
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 New.
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: Michael B Crawford OWNER OPERATOR

Account Number:	ER011066
Signature IP Address:	63.105.50.19
Signature Date:	2026-01-21
Signature Hash:	C57B12DF214D83E5A9DB1D022E723EC22D47136062008B20949A8235404767CE
Form Hash Code at time of Signature:	9211461DEB00498CD767773F5723FC037F80D708BE65F9A2CE36B8BBE076DA92

Submission

Reference Number:	The application reference number is 870486
Submitted by:	The application was submitted by ER011066/Michael B Crawford
Submitted Timestamp:	The application was submitted on 2026-01-21 at 14:11:33 CST
Submitted From:	The application was submitted from IP address 63.105.50.19
Confirmation Number:	The confirmation number is 734447
Steers Version:	The STEERS version is 6.94

Additional Information

Application Creator: This account was created by Sarvan Hooghan

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: O4855	Project No.: 39327	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AGFLARE		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001-AG		
Pollutant: PM (OPACITY)		
Main Standard: §111.111(a)(4)(A)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: O4855	Project No.: 39327	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AGFLARE2		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001-AG		
Pollutant: PM (OPACITY)		
Main Standard: §111.111(a)(4)(A)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: O4855	Project No.: 39327	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AGFLARE3		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001-AG		
Pollutant: PM (OPACITY)		
Main Standard: §111.111(a)(4)(A)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: O4855	Project No.: 39327	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AGFLARE4		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001-AG		
Pollutant: PM (OPACITY)		
Main Standard: §111.111(a)(4)(A)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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
01/14/2026	O4855	RN 109496638

Unit ID No.	Registration No.	PBR No.	Registration Date
FLARE1	156548	106.359	08/29/2019
FLARE3	156548	106.359	08/29/2019
FLARE4	156548	106.359	08/29/2019
FLARE5	156548	106.359	08/29/2019
COMP-BD	156548	106.359	08/29/2019
ENG-SV	156548	106.359	08/29/2019
MAINT	156548	106.359	08/29/2019

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
01/14/2026	O4855	RN 109496638

Unit ID No.	PBR No.	Version No./Date
No claimed PBRs for the application area.		

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
01/14/2026	O4855	RN 109496638

PBR No.	Version No./Date
No claimed PBRs for insignificant sources.	

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
01/14/2026	O4855	RN 109496638

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FLARE1	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE3	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE4	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE5	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
COMP-BD	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
ENG-SV	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
MAINT	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		FUG	GRP-FUG	Site Fugitives		A	Standard Permit	144703		
		FUG2	GRP-FUG2	Site Fugitives 2		A	Standard Permit	144703		
		FUG3	GRP-FUG2	Site Fugitives 3		A	Standard Permit	144703		
		FUG4	GRP-FUG	Site Fugitives 4		A	Standard Permit	144703		
		COMP-1	GRP-COMP	Reciprocating Compressor 1		A	Standard Permit	144703		
		COMP-2	GRP-COMP	Reciprocating Compressor 2		A	Standard Permit	144703		
		COMP-3	GRP-COMP	Reciprocating Compressor 3		A	Standard Permit	144703		
		COMP-4	GRP-COMP	Reciprocating Compressor 4		A	Standard Permit	144703		
		COMP-5	GRP-COMP	Reciprocating Compressor 5		A	Standard Permit	144703		
		COMP-6	GRP-COMP	Reciprocating Compressor 6		A	Standard Permit	144703		
		COMP-7	GRP-COMP	Reciprocating Compressor 7		A	Standard Permit	144703		
		COMP-8	GRP-COMP	Reciprocating Compressor 8		A	Standard Permit	144703		
		COMP-9	GRP-COMP	Reciprocating Compressor 9		A	Standard Permit	144703		
		COMP-10	GRP-COMP	Reciprocating Compressor 10		A	Standard Permit	144703		
		COMP-11	GRP-COMP	Reciprocating Compressor 11		A	Standard Permit	144703		
		COMP-12	GRP-COMP	Reciprocating Compressor 12		A	Standard Permit	144703		
		COMP-13	GRP-COMP2	Reciprocating Compressor 13		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		COMP-14	GRP-COMP2	Reciprocating Compressor 14		A	Standard Permit	144703		
		COMP-VRU	GRP-COMP	VRU Reciprocating Compressors		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-FUG	40 CFR Part 60, Subpart OOOO	40 CFR §60.5365	The Facility commenced construction, modification, or reconstruction after September 18, 2015.
		GRP-FUG2	40 CFR Part 60, Subpart OOOO	40 CFR §60.5365	The Facility commenced construction, modification, or reconstruction after September 18, 2015.
		GRP-FUG	**40 CFR Part 60, Subpart OOOOb**	40 CFR §60.5360b(a)	The Facility commenced construction, modification, or reconstruction before December 6, 2022.
		GRP-FUG2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	The Facility commenced construction, modification, or reconstruction after December 6, 2022.
		GRP-FUG	40 CFR Part 60, Subpart KKK	40 CFR §60.630(b)	The Facility was constructed, modified, or reconstructed after August 23, 2011.
		GRP-FUG2	40 CFR Part 60, Subpart KKK	40 CFR §60.630(b)	The Facility was constructed, modified, or reconstructed after August 23, 2011.
		GRP-COMP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a	The Compressors were constructed, modified, or reconstructed after December 6, 2022.

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with §60.482-3
GRP-FUG	60KKK-1	GROUP	11+						
GRP-FUG2	60KKK-1	GROUP	11+						

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/Modification Date	Reciprocating Compressor	AMEL	Bypass Device
GRP-COMP	60OOOOa-COMP	15+	RC36-	NO	

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Fugitive Component	AMEL	Subject to Another Regulation
GRP-FUG	60OOOOa-FUG	15+	EQNGPP		NO

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Any Vacuum Service	Pumps: Light Liquid Service	Pumps: Design Capacity < 10MM	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-2a
GRP-FUG	60OOOOa-FUG	NO	YES	NO	NO		YES

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Design Capacity < 10MM	Pressure Relief Devices: AMEL	Pressure Relief Devices: Complying with §60.482-4a
GRP-FUG	60OOOOa-FUG	YES	NO	NO	YES

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Valves: Open-Ended	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-6a
GRP-FUG	60OOOOa-FUG	NO			

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: Design Capacity < 10MM	Valves: 2.0%	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-7a
GRP-FUG	60OOOOa-FUG	YES	NO	NO	NO		YES

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-8a	Valves: Heavy Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-8a
GRP-FUG	60OOOOa-FUG	NO				NO			

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices: Heavy or Light Liquid Service	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices: Complying with §60.482-8a	Connectors: Heavy Liquid Service	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §60.482-8a
GRP-FUG	60OOOOa-FUG	YES	NO		YES	NO			

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.
GRP-FUG	60OOOOa-FUG	NO				

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.
GRP-FUG	60OOOOa-FUG	NO				

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Control Devices: Flare	Control Devices: AMEL	Control Devices: AMEL ID No.	Control Devices: Complying with §60.482-10a	Control Devices: Control Device ID No.
GRP-FUG	60OOOOa-FUG	NO				

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Control Devices: CVS	Control Devices: AMEL	Control Devices: AMEL ID No.	Control Devices: Complying with §60.482-10a	Connectors: Gas/Vapor or Light Liquid Service	Connectors: Design Capacity < 10MM	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §60.482-11a
GRP-FUG	60OOOOa-FUG	NO				YES	NO	NO		YES

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description
GRP-FUG	60OOOOa-FUG	Site fugitives for Train 1 and Train 4

Go to the Table of Contents

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

Table 1a: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	GRP-COMPENG	OP-UA2	63ZZZZ-COMPENG	HAPs	MACT ZZZZ	§63.6590(c)
	GRP-COMPENG	OP-UA2	60JJJJ-COMPENG	NOx, CO, VOC	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(a)(1)-(2), (a)(2)(iii), (b), (b)(1)-(2) §60.4243(b)(2)(ii), (e), (g)
	HMO-HTR	OP-UA6	60Dc-HTR	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR2	OP-UA6	60Dc-HTR2	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR3	OP-UA6	60Dc-HTR3	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR4	OP-UA6	60Dc-HTR4	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	GRP-COND	OP-UA3	60OOOOb-COND	VOC, GHG	NSPS OOOOb	None [§60.5365b(e)]
	GRP-SLOP	OP-UA3	60OOOOb-SLOP	VOC, GHG	NSPS OOOOb	None [§60.5365b(e)]
	GROUP-FLARE	OP-UA7	R1111-001	PM Opacity	30TAC Chapter 111	§111.111(a)(4)(A)
	GROUPACIDFLARE	OP-UA7	R1111-001-AG	PM Opacity	30TAC Chapter 111	§111.111(a)(4)(A), (a)(1)(B), (a)(1)(E)

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

Table 1a: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	PRO-AMINE	OP-UA10	60OOOOa-1	SO2	NSPS OOOOa	§60.5365a(g)(3)
	PRO-AMINE2	OP-UA10	60OOOOb-1	SO2	NSPS OOOOb	§60.5365b(g)(3)
	PRO-AMINE3	OP-UA10	60OOOOb-1	SO2	NSPS OOOOb	§60.5365b(g)(3)
	PRO-AMINE4	OP-UA10	60OOOOa-1	SO2	NSPS OOOOa	§60.5365a(g)(3)
	DEHY	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY2	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY3	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY4	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)

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

Table 1a: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	GRP-COMP	OP-UA12	60OOOOa-COMP	VOC	NSPS OOOOa	§60.5385a(a)(2) §60.5370a(a)-(b) §60.5385a (a)-(d) §60.5410a §60.5415a(c), (c)(2)-(3)
	GRP-COMP2	OP-UA12	60OOOOb-COMP	VOC, GHG	NSPS OOOOb	§60.5385b(a)(1-3) §60.5370b(a)-(b) §60.5385b (a)-(g) §60.5410b(e) §60.5415b(g)

Table 1a: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

	GRP-FUG	OP-UA12	60OOOOa-FUG	VOC, GHG	NSPS OOOOa	§60.5365a(f) §60.5400a(a) §60.5370a(a)-(b) §60.5400a(d)-(f) §60.5401a(b)(2), (b)(3)(i)-(ii), (b)(4)(i)-(ii), (d) §60.5410a(f) §60.5415a(f) §60.482-1a(a)-(b) §60.482-2a(a)(1)-(2), (b)(1), (b)(1)(i)-(ii) §60.482-2a(b)(2), (b)(2)(ii), (c)(1), [G](c)(2) §60.482-2a(d), [G](d)(1), (d)(2)-(3), [G](d)(6) [G]§60.482-2a(e), (f), [G](g), (h) §60.482-4a(a), (b)(1)-(2), (c), (d)(1)-(2) §60.482-7a(a)(1), [G](a)(2), (b), [G](c)-(e) [G]§60.482-7a(f)-(h) §60.482-8a(a), (a)(2), (b), [G](c), (d) §60.482-9a(a)-(b), [G](d), (f) §60.482-11a(b)(2)-(3), (b)(3)(i), (d), [G](e) [G]§60.482-11a(f)(1), (f)(2), (g) §60.485a(b)-(c), (c)(1), (f) §60.486a(a)(1)-(2), (k)

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

Table 1a: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	GRP-FUG2	OP-UA12	60OOOOb-FUG	VOC, GHG	NSPS OOOOb	§60.5400b(a) §60.5400b(b) §60.5400b(c)-(g) §60.5400b(h) §60.5400b(i) §60.5400b(j) §60.5400b(k) §60.5400b(l) §60.5402b(b) §60.5370b(a)(4) §60.5410b(h) §60.5415b(h)

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

Table 1b: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	GRP-COMPENG	63ZZZZ-COMPENG	HAPs	None	None	None
	GRP-COMPENG	60JJJJ-COMPENG	NOx, CO, VOC	§60.4243(b), (e), (g) §60.4244(a)-(g)	§60.4243(a)(1) §60.4245(a)(1)-(4)	[G]§60.4245(c) §60.4245(d)
	HMO-HTR	60Dc-HTR	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR2	60Dc-HTR2	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR3	60Dc-HTR3	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR4	60Dc-HTR4	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	GRP-COND	60OOOOb-COND	VOC, GHG	None	§60.5365b(e)	None
	GRP-SLOP	60OOOOb-SLOP	VOC, GHG	None	§60.5365b(e)	None
	GROUP-FLARE	R1111-001	PM Opacity	§111.111(a)(4)(A)(i)-(ii)	§111.111(a)(4)(A)(ii)	None
	GROUPACIDFLARE	R1111-001	PM Opacity	§111.111(a)(1)(F)(i)-(iii) Periodic Monitoring	None	None

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

Table 1b: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	PRO-AMINE	60OOOOa-1	SO2	None	§60.5423a(c)	§60.5420a(a), (a)(1)
	PRO-AMINE2	60OOOOb-1	SO2	None	§60.5423b(e)	§60.5420b(a),(a)(1)
	PRO-AMINE3	60OOOOb-1	SO2	None	§60.5423b(e)	§60.5420b(a),(a)(1)
	PRO-AMINE4	60OOOOa-1	SO2	None	§60.5423a(c)	§60.5420a(a), (a)(1)
	DEHY	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY2	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY3	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY4	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	GRP-COMP	60OOOOa-COMP	VOC	§60.5410a(c)(1) §60.5415a(c)(1)	§60.5410a(c)(4) §60.5420a(c), [G](c)(3)	§60.5410a(c)(3) §60.5420a(a), (a)(1), (b), [G](b)(4) §60.5420a(b)(11), [G](b)(13)-(14)

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

Table 1b: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

	GRP-COMP2	60OOOOb-COMP	VOC, GHG	§60.5410b(e) §60.5415b(g)	§60.5410b(e)(7) §60.5420b(c), [G](c)(5)	§60.5410b(e)(6) §60.5420b(a), (a)(1), (b), [G](b)(6), §60.5420b(b)(15)
	GRP-FUG	60OOOOa-FUG	VOC, GHG	§60.5400a(a)-(d) §60.5401a(b)(1), (g) [G]§60.5401a(f), (g) §60.482-1a(f)(1)-(2), [G](f)(3) §60.482-2a(b)(2)(i), [G](d)(4)-(5) §60.482-4a(b)(2) §60.482-8a(a)(1) §60.482-9a(a) §60.482-11a(a)-(b), (b)(1), (b)(3), (b)(3)(ii) [G]§60.482-11a(b)(3)(iii), (b)(3)(iv), (c) §60.485a(a), [G](b)(1), (b)(2), (c)(2) §60.485a(d), (d)(2)-(3), [G](e)	§60.5400a(e) §60.5420a(c) [G]§60.5421a(b) §60.482-11a(b)(3)(v) §60.485a(b)(2) [G]§60.486a(a)(3), [G](b), [G](c), (e), (e)(1), (e)(3) [G]§60.486a(e)(2), [G](e)(4), (e)(7), [G](e)(8), (e)(9), [G](e)(10), (f), (f)(1)-(2) [G]§60.486a(h)	§60.5420a(a), (a)(1) §60.5422a(a), (b), [G](c) §60.487a(a), (b), (b)(1), (b)(2)(b)(3), (b)(5), (c), (c)(1)-(2) §60.487a(c)(2)(i), (c)(2)(ii), (c)(2)(iii)-(iv), (c)(2)(vii)-(viii), (c)(2)(xi) §60.487a(c)(3)-(4), (e)

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

Table 1b: Additions

Date: 01/13/2026	**Regulated Entity No.:** RN 109496638	**Permit No.:** O4855
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

	GRP-FUG2	60OOOOb-FUG	VOC, GHG	§60.5400b(b) §60.5400b(c) §60.5400b(c)(1) §60.5400b(b)(3) §60.5400b(b)(4) §60.5400b(d) §60.5400b(d)(1) §60.5400b(d)(2) §60.5400b(d)(3)	§60.5400b(l) §60.5420b(c)(8) §60.5421b	§60.5400b(k) §60.5422b(a) §60.5422b(b)

From:	Gabriela Chio
To:	"VanAssche, James"
Cc:	"Caleb Wagaman"; "Sagar Chitre"
Subject:	RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant
Date:	Monday, January 26, 2026 2:23:00 PM
Attachments:	image010.png image011.png image012.png image013.png image014.png image015.png RE Technical Review -- FOP O4855Project 39327 ET Gathering Processing LLCArrowhead Gas Plant.msg

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Good afternoon James,

The STEERS submission contains the OP-UA12's OP-REQ2 form updates but the submission is missing the OP-REQ2 updates for GRP-COND, GRP-COND2, GRP-SLOP, PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4. Please refer to the email sent to me with ET's responses regarding the OP-REQ2 on December 19, 2025 within the "Technical Review – FOP 4855/Project 39327…" email thread. I have also attached the email for your convenience

Please submit the remaining OP-REQ2 updates for the units mentioned in Title V STEERS as soon as possible or by **3pm January 30, 2026**.

Please reply to this email with confirmation once the remaining OP-REQ2 updates are submitted in Title V STEERS.
In the meantime, the PNAP is being finalized.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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

From: Gabriela Chio
Sent: Friday, January 23, 2026 1:47 PM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi James,

Thank you. Yes, the updates were received in STEERS. I'm working on prepping the PNAP and then it will go through a couple of management reviews before the PNAP is sent out by 'ElecRsp'.

I will let you know if additional information is needed after the management reviews.

Best,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov



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From: VanAssche, James <james.vanassche@energytransfer.com>
Sent: Friday, January 23, 2026 1:04 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good Afternoon Gaby,

The updates were submitted in STEERS this week. Hopefully that came through okay but please let me know if you need anything else or have any other questions.

Thank you,
James

James VanAssche, P.E.
James.VanAssche@energytransfer.com
O: 214.840.5217
C: 214.885.1152

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Wednesday, January 21, 2026 9:59 AM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi James,

Thank you for your WDP response.

Yes, Caleb mentioned to me yesterday that there were issues with submitting in STEERS. That's great the issue was resolved. If your team runs into any other issues with STEERS, please notify me and go ahead and email me and mail in the hardcopy OP-CRO1 form instead to prevent further delay **as soon as possible or by 3pm January 23, 2026**.

If you do end up submitting an OP-CRO1 form instead of certifying in STEERS, ensure the OP-CRO1 includes the Submittal Type as 'Update to Permit Application' and provide a Time Period of 12/19/2025 to 01/15/2026 to certify all updates. Please provide a tracking number as well. You may use either of the same mailing addresses provided to you when you sent the GOP renewal application last month.

Thank you for your work on this project! Please keep me posted.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section

Air Permits Division
Texas Commission on Environmental Quality
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Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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From: VanAssche, James <james.vanassche@energytransfer.com>
Sent: Wednesday, January 21, 2026 8:17 AM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Thank you Gaby,

This updated WDP looks great and is approved.

We had a hangup in submitting the application updates from a delinquent fee under the CN but have that resolved now and should be sending those through here shortly as well.

Thank you for your review on this and moving through this quickly.

I'll send a follow up note when our DAR signs and submits the application updates in STEERS here next.

Thank you,
James

James VanAssche, P.E.
James.VanAssche@energytransfer.com
O: 214.840.5217
C: 214.885.1152

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Wednesday, January 21, 2026 7:38 AM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Caleb Wagaman <caleb.wagaman@ghd.com>; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing

LLC/Arrowhead Gas Plant

Good morning James,

I'm following up on my previous email and the updated WDP response.

Please review the WDP updates and provide a response to the updates even if you have no further comments by **3pm today January 21, 2026**. Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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---

From: Gabriela Chio
Sent: Wednesday, January 14, 2026 11:15 AM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: caleb.wagaman@ghd.com; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good morning James,

Thank you for your timely review of the WDP, it's greatly appreciated. Based on the forms Caleb sent to me yesterday, I have made the updates to the WDP.
Please review the WDP updates and provide a response to the updates by **3pm January**

19, 2026. Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project.

The following was updated in the WDP:

1. Special Term & Condition 1.E. was updated to only list MACT HH and MACT ZZZZ. The WDP originally included MACT A, but was removed because there are no applicable requirements for MACT A.
2. There was an unintentional blank page on page 10 of the WDP, so it was removed.
3. GRP-FUG for NSPS OOOOa and GRP-FUG2 for NSPS OOOOb were added to the Unit Summary table and Applicable Requirements Summary table.
4. TCEQ recently updated the OP-UA12 for NSPS OOOOa, so the textual description in the Applicable Requirements Summary table for GRP-COMP for NSPS OOOOa was updated.
5. Permit shields for GRP-FUG and GRP-FUG2 were added based on the updated OP-REQ2.
6. Page numbers were updated based on the changes above made.

Please note in my response to Caleb's email about the updated forms, I mention to also submit the updated OP-PBRSUP form with corrections.

Let me know if you have any questions.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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at www.tceq.texas.gov/customersurvey

From: VanAssche, James <james.vanassche@energytransfer.com>

Sent: Wednesday, January 14, 2026 9:14 AM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: caleb.wagaman@ghd.com; Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good Morning Gaby,

The working draft permit looks good and the only comment we have is that our response yesterday should clear up the discussion on our fugitive pathway applicability as it looks like we're unable to obtain the AMOC for this site until it has an issued SOP.

We will follow up with the AMOC later this year, and for the purposes of this project, we're retaining the existing fugitive applicability for the four fugitive pathways split between NSPS OOOOa and OOOOb based on construction dates.

If you can incorporate the fugitive NSPS OOOOa and OOOOb requirements into this draft, we will be ready to move forward.

Thank you again for your quick help on this project and let us know if there are any other comments or questions to address on the technical review.

We will certify all of the technical review application updates in a single certification in STEERS when that technical review is complete.

Thank you,
James

James VanAssche, P.E.
Sr. Engineer II - Environmental
EHS
Energy Transfer
O: 214.840.5217
M: 214.885.1152

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Monday, December 22, 2025 4:45 PM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: caleb.wagaman@ghd.com; Sagar Chitre <sagar.chitre@ghd.com>
Subject: Working Draft Permit -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good afternoon,

I have conducted a technical review of initial issuance application for ET Gathering & Processing LLC, Arrowhead Gas Plant. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have on the working draft permit by **COB January 8, 2026**.

As mentioned, project timelines and deadlines will be shorter in order to issue the SOP initial O4855 prior to the expiration date of the GOP O3946, which expires 05/07/2026.

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

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

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

Please notify me when these updates have been submitted.

As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6

at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This submittal information can be found on our website at Where to Submit FOP Applications and Permit-Related Documents.

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

Thank you for your cooperation.

Sincerely,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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Private and confidential as detailed here. If you cannot access hyperlink, please e-mail sender.

From: Gabriela Chio
To: "Caleb Wagaman"
Cc: Sagar Chitre; Sarvan Hooghan
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant
Date: Tuesday, January 20, 2026 11:16:00 AM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image007.png
image008.png
image009.png
image010.png
image011.png
image012.png

Hi Caleb,

Thank you all for your efforts in trying to submit in STEERS. Based on my conversation with the STEERS specialist, we are not too sure what the issue could be. During the Teams call last Friday , I recall Sarvan pointing out that the application looked to be not signed, so it could be that is the issue.

To prevent further delay, please certify the application updates using an original signature OP-CRO1 form instead. I have saved the updated forms that were emailed to me to your application file. Please e-mail the OP-CRO1 form to me AND mail in the hardcopy OP-CRO1 form **as soon as possible or by 3pm January 23, 2026**. Provide a tracking number once you mail the OP-CRO1 form.

Ensure the OP-CRO1 includes the Submittal Type as 'Update to Permit Application' and provide a Time Period of 12/19/2025 to 01/15/2026 to certify all updates.

As I mentioned to James VanAssche when he was submitting the GOP renewal application, you can mail the OP-CRO1 to either of the following addresses below, depending on if you choose priority or overnight mailing:

Regular, Certified, Priority Mail:
Gabriela Chio
Texas Commission on Environmental Quality
Operating Permits Section (OPS), MC 163
P.O. Box 13087, Austin, Texas 78711-3087

Hand Delivery or Overnight Mail:
Gabriela Chio
Texas Commission on Environmental Quality

Air Permits Initial Review Team (APIRT), MC 161
12100 Park 35 Circle, Building C, Third Floor, Austin, Texas 78753
Phone: (512) 239-1250

Note: Coordinate hand deliveries by calling the receptionist at 512-239-1250 during normal workdays from 8:00 AM to 5:00 PM, Monday – Friday, Central Standard Time.

Let me know if you have any questions.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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---

From: Caleb Wagaman <caleb.wagaman@ghd.com>
Sent: Monday, January 19, 2026 12:34 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>; Sarvan Hooghan <Sarvan.Hooghan@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi Gaby,

Thank you for the response!

Sarvan tried following your steps to upload the updated forms for the Arrowhead SOP application to Title V STEERS but ran into issues.

We are no longer getting the delinquent fees error; however, we are not seeing the message that there is an existing application (Steo 3). As such, there is no option to update an existing application. Instead, the system is having us create a new application and go through the entire submittal process from scratch again, which isn't what we were looking for.

If you want to see this demonstrated, we can set up another Teams call, or if we could get into contact with your STEERS specialist, that would be great.

Thanks again for your help and understanding,

Caleb Wagaman
Air Quality Engineer

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26850 Haggerty Rd Farmington Hills MI 48331 USA
D +1 248 479-1086 **E** caleb.wagaman@ghd.com

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Connect

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Friday, January 16, 2026 5:13 PM
To: Caleb Wagaman <caleb.wagaman@ghd.com>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi Caleb,

I'm following up on our phone call from today. You mentioned you were having some issues uploading the application updates in Title V STEERS. I spoke to our STEERS specialist, and I think I found the issue. I gave you another call and left a voicemail.

Please try the following steps:

1. Once you are logged into your Title V STEERS account, go to 'I want to fill out a new, renewal, revision, or termination application', then select 'Title V Application for a New Permit', then select 'Next'.
2. Fill out the first 'Site Information' page. It's helpful to have your STEERS Copy of Record on hand because it will have all the site information you will need to fill out the 'Site Information' page. Then select 'Next'.
3. At some point, before or on the second page, you should receive a message saying that there is already an existing application and if you want to update that application. Say 'yes' or accept the message and then STEERS will prompt you to the necessary pages for you to upload updates/attachments. After typing in the site information page on the first page, STEERS should recognize that there is an

existing application. You should not create/pay for a new permit.

The reason you were getting an error when selecting the option 'Title V Application for an Existing Permit' is because this Project 39327 is an SOP Initial Issuance project with no existing approved/issued SOP permit. On the other hand, for SOP renewals and revisions, the option 'Title V Application for an Existing Permit' should work since there would be an existing permit at that point.

If you still have issues or would like to go through it together on a Teams call, please let me know as soon as possible on Monday January 19.

Since you ran into this issue, I will extend the deadline to submit the application updates in STEERS until **Tuesday January 20, 2026**.

Best,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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

---

From: Gabriela Chio
Sent: Thursday, January 15, 2026 3:52 PM
To: Caleb Wagaman <caleb.wagaman@ghd.com>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi Caleb,

You may submit just the updated forms into Title V STEERS. A full application packet is

not necessary.

Thanks,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov



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

---

From: Caleb Wagaman <caleb.wagaman@ghd.com>
Sent: Thursday, January 15, 2026 12:23 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi Gaby,

Thanks for your feedback!

Do we need to submit the full application packet into Title V STEERS, or do only the updated forms need to be uploaded?

We have already submitted an initial SOP application packet into STEERS, but is a follow-up one required?

Thanks again,

Caleb Wagaman
Air Quality Engineer

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26850 Haggerty Rd Farmington Hills MI 48331 USA
D +1 248 479-1086 **E** caleb.wagaman@ghd.com

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From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Wednesday, January 14, 2026 12:14 PM
To: Caleb Wagaman <caleb.wagaman@ghd.com>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>; Abhishek Bhat <Abhishek.Bhat@ghd.com>; VanAssche, James <james.vanassche@energytransfer.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good morning Caleb,

Thank you for sending the updated forms. The forms look good.

As mentioned in item #1 in my original email, please also ensure to submit an updated full OP-PBRSUP form in your STEERS submission. I also wanted to clarify a couple of things for the OP-PBRSUP:

- The OP-PBRSUP, Table A, Registration Date for PBR Registration No. 156548 (PBR 106.359) should be 08/29/2019 as that was the latest revision date, not 10/18/2023.
- For OP-PBRSUP, Table D, I received some clarification. The Registration No. 156548 provided initially in the column “Version No./Date Or Registration No.” can be left as is. Since PBR 106.359 is registered under Registration No. 156548, the Registration No. can be listed in the Table D, “Version No./Date Or Registration No.” column. If it was an unregistered PBR, you would list the PBR’s Version No./Date of 09/10/2013. Apologies for the confusion on Table D.

Please notify me when the application updates have been fully submitted with the RO or DAR e-signature in Title V STEERS. Please submit **as soon as possible or by 3pm January 19, 2026**.

Let me know if you have any questions.

Best,

Gaby

Gabriela Chio

Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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From: Caleb Wagaman <caleb.wagaman@ghd.com>
Sent: Tuesday, January 13, 2026 1:08 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>; Abhishek Bhat <Abhishek.Bhat@ghd.com>; VanAssche, James <james.vanassche@energytransfer.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi Gaby,

We have made updates to the appropriate OP-UA12 forms as well as the OP-MON forms for AGFLARE – AGFLARE4 and attached them to this email for your review. Please see Energy Transfer's responses to your feedback below in red text:

> Item #2 - Since the AMOC is still pending approval, I cannot grant the permit shield for group GRP-FUG for NSPS OOOOa at this time. If you are able to send me the AMOC approval letter through STEERS by January 22, 2025, then I can review it again. We are aiming to send the PNAP out by end of January 2026. As mentioned in a previous email, since an untimely GOP renewal application for O3946 was received by TCEQ, this SOP initial issuance project will have shorter timeframes in order to issue the permit by the GOP expiration date of 05/07/2026. In addition, the permit shield portion that states "facility is converting all of the plants to NSPS OOOOb" is not an appropriate reason. The negative applicability reason needs to directly reference the language in the rule 60.5402a(a) if that is the negative applicability citation being used. You will need to provide an updated negative applicability reason for GRP-FUG for NSPS OOOOa.
>
> Instead of converting the fugitives of each plant to NSPS OOOOb, Energy Transfer has decided to group the fugitive emissions into Trains 1 and 4 (Group ID "GRP-FUG", applicable to NSPS OOOOa) and Trains 2 and 3 (Group ID "GRP-FUG2", applicable to NSPS OOOOb). We have updated OP-SUM accordingly to reflect these groupings. OP-REQ2 was also edited to add the negative applicabilities of NSPS OOOO, NSPS OOOOb, and NSPS KKK to GRP-FUG as well as NSPS OOOO, NSPS OOOOa, and NSPS

KKK to GRP-FUG2 with the appropriate citations and reasoning language. We have also edited Table 1a of OP-UA12 to include both fugitive groups and added Tables 19e-19p to account for the NSPS OOOOa applicability of GRP-FUG.

Tables 1a and 1b of OP-REQ3 were also edited to include the positive applicability citations of NSPS OOOOa to GRP-FUG since only NSPS OOOOb applicability was included for fugitives before this change.

Item #3 – For units AGFLARE – AGFLARE4 for Periodic Monitoring, the main standard citation should be 111.111(a)(4)(A), not 111.111(a)(7)(A). Please note for your STEERS submission.

The main standard of each OP-MON form for AGFLARE – AGFLARE4 was changed from "111.111(a)(7)(A)" to "111.111(a)(4)(A)", per TCEQ's guidance.

If you approve of these updated forms, we will upload them to STEERS as soon as possible.

Please let us know if there is anything else you need from us.

Thanks again,

Caleb Wagaman
Air Quality Engineer

GHD
Proudly employee-owned | ghd.com
26850 Haggerty Rd Farmington Hills MI 48331 USA
D +1 248 479-1086 **E** caleb.wagaman@ghd.com

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From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Monday, December 22, 2025 4:11 PM
To: Caleb Wagaman <caleb.wagaman@ghd.com>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>; Abhishek Bhat <Abhishek.Bhat@ghd.com>; VanAssche, James <james.vanassche@energytransfer.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

You don't often get email from gabriela.chio@tceq.texas.gov. Learn why this is important

Hi Caleb,

Thank you for working on the requested items. I have noted the updates. My only comments to your responses are on two items.

Item #2 - Since the AMOC is still pending approval, I cannot grant the permit shield for group GRP-FUG for NSPS OOOOa at this time. If you are able to send me the AMOC approval letter through STEERS by January 22, 2025, then I can review it again. We are aiming to send the PNAP out by end of January 2026. As mentioned in a previous email, since an untimely GOP renewal application for O3946 was received by TCEQ, this SOP initial issuance project will have shorter timeframes in order to issue the permit by the GOP expiration date of 05/07/2026. In addition, the permit shield portion that states "facility is converting all of the plants to NSPS OOOOb" is not an appropriate reason. The negative applicability reason needs to directly reference the language in the rule 60.5402a(a) if that is the negative applicability citation being used. You will need to provide an updated negative applicability reason for GRP-FUG for NSPS OOOOa.

Item #3 – For units AGFLARE – AGFLARE4 for Periodic Monitoring, the main standard citation should be 111.111(a)(4)(A), not 111.111(a)(7)(A). Please note for your STEERS submission.

I will be sending the working draft permit shortly.

Please note, I will be out of office and will return on 01/05/2026. I will have limited access to email, so I will respond to any emails as soon as possible or when I return. My out of office automatic email response will contain my team leader's contact information if you need immediate assistance.

Best,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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From: Caleb Wagaman <caleb.wagaman@ghd.com>

Sent: Friday, December 19, 2025 12:42 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <Sagar.Chitre@ghd.com>; Abhishek Bhat <Abhishek.Bhat@ghd.com>; VanAssche, James <james.vanassche@energytransfer.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good Afternoon Gaby,

Please see below for Energy Transfer's responses to your comments and questions on the Arrowhead SOP application. Energy Transfer's responses are bolded in red text:

1. The registration dates listed in the OP-PBRSUP form should be the dates the authorization was issued to the site, not the version date of the PBR. This is the date of the PBR authorization letter. Resubmit the full OP-PBRSUP form, with updated registration dates for the units listed on Tables A and D.

   Energy Transfer's Response: The registration date of PBR No. 106.359 was updated from "09/10/2013" to "10/18/2023" in Table A of OP-PBRSUP. The Version No./Date of PBR No. 106.359 was updated from the Registration No. "156548" to the registration date "10/18/2023" in Table D per TCEQ's OP-PBRSUP instructions: "For a PBR authorized on or after March 14, 1997, enter the effective date of 30 TAC Chapter 106 under which the PBR was authorized." Additionally, the Permit Number was updated from "TBD" to "O4855" on Tables A-D.

2. Resubmit the OP-REQ2 forms with the following corrections for the permit shields to be acceptable:
   - For groups GRP-COND and GRP-SLOP, the negative applicability reason for NSPS OOOOa provided states "Modified after December 6, 2022 and subject to NSPS OOOOb." The negative applicability reason needs to specifically reference the rule language. The rule 60.5360a(a) mentions "construction, modification, or reconstruction", not just modification. Update the negative applicability reasons for GRP-COND and GRP-SLOP for NSPS OOOOb.

     Energy Transfer's Response: The negative applicability reasonings for NSPS OOOOa for groups GRP-COND and GRP-SLOP were updated on OP-UA3's OP-REQ2 form to reflect the language of rule 40 CFR §60.5360a(a): "Construction, modification, or reconstruction took place after December 6, 2022."

   - For GRP-COND2, update the applicable regulatory name to include Subpart OOOOa since it is missing.

Energy Transfer's Response: **The applicable regulatory name was updated on OP-UA3's OP-REQ2 form to include "Subpart OOOOa".**

- For units PRO-AMINE2 and PRO-AMINE3, the negative applicability reason for NSPS OOOOa provided states "Subject to NSPS OOOOb." This language is not sufficient. The rule mentions "construction, modification, or reconstruction" of sweetening units. Update the negative applicability reason for PRO-AMINE2 and PRO-AMINE3 to specifically reference the rule language in 60.5365a(g).

  Energy Transfer's Response: **The negative applicability reasoning for NSPS OOOOa for units PRO-AMINE2 and PRO-AMINE3 were updated on OP-UA10's OP-REQ2 form to reflect the language of rule 40 CFR §60.5365a(g): "Construction, modification, or reconstruction of the sweetening units took place after December 6, 2022."**

- For units PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4, the negative applicability reason for NSPS LLL provided states "The facility was constructed after August 23, 2011." The language should include "constructed, reconstructed, or modified…" language. Update the negative applicability reason for PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4 for NSPS LLL.

  Energy Transfer's Response: **The negative applicability reasoning for NSPS LLL for units PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4 were updated on OP-UA10's OP-REQ2 form to reflect the language of 40 CFR §60.640(d): "The Facility was constructed, modified, or reconstructed after August 23, 2011."**

- For group GRP-FUG, the negative applicability reason for NSPS OOOO provided states, "The facility commence construction/modification after September 18, 2015." The rule mentions "construction, modification, or reconstruction" language. Update the negative applicability reason for GRP-FUG for NSPS OOOO.

  Energy Transfer's Response: **The negative applicability reasoning for NSPS OOOO for group GRP-FUG was updated on OP-UA12's OP-REQ2 form to reflect the language of rule 40 CFR §60.5365: "The Facility commenced construction, modification, or reconstruction after September 18, 2015."**

- For group GRP-FUG, the negative applicability reason for NSPS OOOOa provided states, "The facility is converting all of the plans to NSPS OOOOb and obtaining AMOC approval to use OGI cameras across the board." If the site does not currently have an approved AMOC, then the permit shield for GRP-FUG for NSPS

OOOOa cannot be granted. In addition, the negative applicability language would need to be updated to directly reference the language in the rule 60.5402a(a). If I receive the approved AMOC documents before the PNAP (Public Notice Authorization Package) is sent out, then I can review the permit shield request again. What is the status on the AMOC?

Energy Transfer's Response: Energy Transfer is currently waiting for TCEQ's approval on the AMOC forms that were submitted prior to this SOP application before the Public Notice Authorization Package (PNAP) is sent out. Additionally, Energy Transfer is voluntarily converting its plants to NSPS OOOOb. The language for group GRP-FUG for NSPS OOOOa on OP-UA12's OP-REQ2 form remains unchanged.

- For group GRP-FUG, the negative applicability reason for NSPS KKK provided states, "The facility was constructed after August 23, 2011." The negative applicability reason should reference the "construction, modification, or reconstruction" language that is in the rule. Update the negative applicability reason for GRP-FUG for NSPS KKK.

  Energy Transfer's Response: The negative applicability reasoning for NSPS KKK for group GRP-FUG was updated on OP-UA12's OP-REQ2 form to reflect the language of rule 40 CFR §60.630(b): "The Facility was constructed, modified, or reconstructed after August 23, 2011."

- For group GRP-COMP2, the negative applicability citation, 60.5365b, is not a valid citation for NSPS OOOOa. Also, the negative applicability reason should reference the "constructed, modified, or reconstructed" language that is in the rule. Update the negative applicability citation and reason for GRP-COMP2 for NSPS OOOOa.

  Energy Transfer's Response: The negative applicability citation for NSPS OOOOa for group GRP-COMP2 was updated on OP-UA12's OP-REQ2 form from "40 CFR §60.5365b" to "40 CFR §60.5365a", and the reasoning was updated to reflect the language of rule 40 CFR §60.5365a: "The Compressors were constructed, modified, or reconstructed after December 6, 2022."

3. Resubmit the OP-MON forms with the following corrections:
   - In all the OP-MON forms for Compliance Assurance Monitoring (CAM), the Applicable Regulatory Requirement name should include the subchapter; 30 TAC Chapter 116, Standard Permits. Also, the Group ID Number GRP-ENG and Unit ID

Numbers AMINE, AMINE2, AMINE3, and AMINE4 do not match the group and unit IDs listed in the OP-SUMR or UA forms. It looks like GRP-ENG should be GRP-COMPENG and AMINE – AMINE4 should be PRO-AMINE – PRO-AMINE4. Correct the Applicable Regulatory Name on all the OP-MON forms for CAM to include the Subpart and correct GRP-ENG to GRP-COMPENG and unit IDs AMINE-AMINE4 to PRO-AMINE – PRO-AMINE4 to match the unit IDs in OP-SUMR and OP-UA forms.

Energy Transfer's Response: Each OP-MON form for Compliance Assurance Monitoring was updated to include the "Standard Permits" subchapter for the Applicable Regulatory Requirement name. Additionally, the Group ID Number "GRP-ENG" was updated to "GRP-COMPENG" and the Unit ID Numbers "AMINE, AMINE2, AMINE3, and AMINE4" were updated to "PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4", as named in the corresponding OP-UA and OP-SUM forms. Additionally, the Permit Number was updated from "TBA" to "O4855", and the Project Number was updated from "TBA" to "39327".

- In the OP-MON forms for Periodic Monitoring (PM), Unit ID numbers FL-AG, FL-AG2, FL-AG3, and FL-AG4 are not units listed in any OP-SUMR or OP-UA forms in the application. It looks like the unit IDs should be listed as AGFLARE, AGFLARE2, AGFLARE3, and AGFLARE4 as listed on the OP-SUMR and OP-UA7. Also, the SOP index number should be R1111-001-AG for units AGFLARE – AGFLARE4 according to the OP-UA7. Lastly, since the Applicable Regulatory Requirement is 30 TAC Chapter 111, Visible Emissions, the applicable main standard citation [§111.XXX(x)(yy)(zz)] of the rule must be listed, not the Standard Permit number 144703. Correct unit IDs FL-AG – FL-AG4 to AGFLARE – AGFLARE4 and update the SOP index number and the main standard citation for units AGFLARE – AGFLARE4 for 30 TAC Ch. 111, Visible Emissions.

  Energy Transfer's Response: Each OP-MON form for Periodic Monitoring was updated to include the correct Unit ID Numbers: "FL-AG" - "FL-AG4" were changed to "AGFLARE" - "AGFLARE4". The SOP index numbers were updated from "R1111-001" to "R1111-001-AG" on every form. The standard citations were changed from "NSR-144703" to "§111.111(a)(7)(A)" on every form. Additionally, the Permit Number was updated from "TBA" to "O4855", and the Project Number was updated from "TBA" to "39327".

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

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

Please notify me when these updates have been submitted.

Energy Transfer Response: Energy Transfer will certify all the technical responses electronically in STEERS once the technical review is complete.

Please reach out if you have any further questions.

Thanks,

Caleb Wagaman
Air Quality Engineer

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26850 Haggerty Rd Farmington Hills MI 48331 USA
D +1 248 479-1086 **E** caleb.wagaman@ghd.com

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From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Tuesday, December 16, 2025 9:47 AM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Sagar Chitre <sagar.chitre@ghd.com>; Caleb Wagaman <caleb.wagaman@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

> Some people who received this message don't often get email from gabriela.chio@tceq.texas.gov. Learn why this is important

Good morning,

Thank you for the update on the GOP renewal application package. I have completed the technical review for the SOP initial issuance application for ET Gathering & Processing LLC and found that additional information is needed.

Please submit the following by **2:30 pm December 22, 2025**.

1. The registration dates listed in the OP-PBRSUP form should be the dates the authorization was issued to the site, not the version date of the PBR. This is the date of the PBR authorization letter. Resubmit the full OP-PBRSUP form, with updated registration dates for the units listed on Tables A and D.
2. Resubmit the OP-REQ2 forms with the following corrections for the permit shields to be acceptable:
    - For groups GRP-COND and GRP-SLOP, the negative applicability reason for NSPS OOOOa provided states "Modified after December 6, 2022 and subject to NSPS OOOOb." The negative applicability reason needs to specifically reference the rule language. The rule 60.5360a(a) mentions "construction, modification, or reconstruction", not just modification. Update the negative applicability reasons for GRP-COND and GRP-SLOP for NSPS OOOOb.
    - For GRP-COND2, update the applicable regulatory name to include Subpart OOOOa since it is missing.
    - For units PRO-AMINE2 and PRO-AMINE3, the negative applicability reason for NSPS OOOOa provided states "Subject to NSPS OOOOb." This language is not sufficient. The rule mentions "construction, modification, or reconstruction" of sweetening units. Update the negative applicability reason for PRO-AMINE2 and PRO-AMINE3 to specifically reference the rule language in 60.5365a(g).
    - For units PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4, the negative applicability reason for NSPS LLL provided states "The facility was constructed after August 23, 2011." The language should include "constructed, reconstructed, or modified…" language. Update the negative applicability reason for PRO-AMINE, PRO-AMINE2, PRO-AMINE3, and PRO-AMINE4 for NSPS LLL.
    - For group GRP-FUG, the negative applicability reason for NSPS OOOO provided states, "The facility commence construction/modification after September 18, 2015." The rule mentions "construction, modification, or reconstruction" language. Update the negative applicability reason for GRP-FUG for NSPS OOOO.
    - For group GRP-FUG, the negative applicability reason for NSPS OOOOa provided states, "The facility is converting all of the plans to NSPS OOOOb and obtaining AMOC approval to use OGI cameras across the board." If the site does not currently have an approved AMOC, then the permit shield for GRP-FUG for NSPS OOOOa cannot be granted. In addition, the negative applicability language would need to be updated to directly reference the language in the rule 60.5402a(a). If I receive the approved AMOC documents before the PNAP (Public Notice Authorization Package) is sent out, then I can review the permit shield request again. What is the status on the AMOC?
    - For group GRP-FUG, the negative applicability reason for NSPS KKK provided states, "The facility was constructed after August 23, 2011." The negative

applicability reason should reference the “construction, modification, or reconstruction” language that is in the rule. Update the negative applicability reason for GRP-FUG for NSPS KKK.

- For group GRP-COMP2, the negative applicability citation, 60.5365b, is not a valid citation for NSPS OOOOa. Also, the negative applicability reason should reference the “constructed, modified, or reconstructed” language that is in the rule. Update the negative applicability citation and reason for GRP-COMP2 for NSPS OOOOa.

3. Resubmit the OP-MON forms with the following corrections:
    - In all the OP-MON forms for Compliance Assurance Monitoring (CAM), the Applicable Regulatory Requirement name should include the subchapter; 30 TAC Chapter 116, Standard Permits. Also, the Group ID Number GRP-ENG and Unit ID Numbers AMINE, AMINE2, AMINE3, and AMINE4 do not match the group and unit IDs listed in the OP-SUMR or UA forms. It looks like GRP-ENG should be GRP-COMPENG and AMINE – AMINE4 should be PRO-AMINE – PRO-AMINE4. Correct the Applicable Regulatory Name on all the OP-MON forms for CAM to include the Subpart and correct GRP-ENG to GRP-COMPENG and unit IDs AMINE-AMINE4 to PRO-AMINE – PRO-AMINE4 to match the unit IDs in OP-SUMR and OP-UA forms.
    - In the OP-MON forms for Periodic Monitoring (PM), Unit ID numbers FL-AG, FL-AG2, FL-AG3, and FL-AG4 are not units listed in any OP-SUMR or OP-UA forms in the application. It looks like the unit IDs should be listed as AGFLARE, AGFLARE2, AGFLARE3, and AGFLARE4 as listed on the OP-SUMR and OP-UA7. Also, the SOP index number should be R1111-001-AG for units AGFLARE – AGFLARE4 according to the OP-UA7. Lastly, since the Applicable Regulatory Requirement is 30 TAC Chapter 111, Visible Emissions, the applicable main standard citation [§111.XXX(x)(yy)(zz)] of the rule must be listed, not the Standard Permit number 144703. Correct unit IDs FL-AG – FL-AG4 to AGFLARE – AGFLARE4 and update the SOP index number and the main standard citation for units AGFLARE – AGFLARE4 for 30 TAC Ch. 111, Visible Emissions.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

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

Please notify me when these updates have been submitted.

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

Thank you for your cooperation.

Sincerely,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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From: VanAssche, James <james.vanassche@energytransfer.com>
Sent: Monday, December 15, 2025 12:50 PM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <sagar.chitre@ghd.com>; Caleb Wagaman <caleb.wagaman@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good Afternoon Gaby,

The GOP renewal application package is shipping out this afternoon and a tracking number is as follows:

8871 0072 9050

https://www.fedex.com/fedextrack/?trknbr=887100729050&trkqual=2461025000~887100729050~FX

It should show up in Austin tomorrow.

Please let us know if you have any other questions in the meantime.

Thank you,
James

James VanAssche, P.E.
Sr. Engineer II - Environmental
EHS
Energy Transfer
O: 214.840.5217
M: 214.885.1152

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Wednesday, December 3, 2025 2:20 PM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hi James,

To clarify, the GOP renewal application will serve as a placeholder only for now while I work to issue the SOP initial issuance project. My management has requested this. Since the GOP renewal application will be untimely (submitted within 6 months of the GOP expiration date), the SOP initial issuance project needs to be issued by the GOP expiration date of **05/07/2026**. The GOP 03946 will be voided upon issuance of the SOP initial issuance. In the meantime, I will be working on the technical review for the SOP initial issuance project 39327 in the next two weeks and will reach out if additional information or updates are needed with a deadline included.

As I relayed to Nicholas Blandino, the GOP renewal application is due by **COB December 16, 2025.** Please notify me when the GOP renewal application has been mailed out.

You may submit the renewal application by mailing it to either of the following addresses below, depending on if you choose priority or overnight mailing:

Regular, Certified, Priority Mail:
Gabriela Chio
Texas Commission on Environmental Quality
Operating Permits Section (OPS), MC 163

P.O. Box 13087, Austin, Texas 78711-3087

Hand Delivery or Overnight Mail:
Gabriela Chio
Texas Commission on Environmental Quality
Air Permits Initial Review Team (APIRT), MC 161
12100 Park 35 Circle, Building C, Third Floor, Austin, Texas 78753
Phone: (512) 239-1250

Note: Coordinate hand deliveries by calling the receptionist at 512-239-1250 during normal workdays from 8:00 AM to 5:00 PM, Monday – Friday, Central Standard Time.

Please let me know if you have any questions.

Best,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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

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From: VanAssche, James <james.vanassche@energytransfer.com>
Sent: Wednesday, December 3, 2025 10:58 AM
To: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Cc: Sagar Chitre <sagar.chitre@ghd.com>
Subject: RE: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Hello Ms. Chio,

We have received your notes on this SOP conversion and the request for GOP renewal.

We take it from these notes that the GOP will end up being renewed prior to 05/07/26 and the SOP will be issued sometime after that.

My only question at this point is how should we submit a GOP renewal at this point?

STEERS typically locks you out from submitting renewal applications when you are within 6 months of the expiration date so can the renewal application be submitted directly to you or as an application update on Project 39328?

Thank you,
James

James VanAssche, P.E.
Sr. Engineer II - Environmental
EHS
Energy Transfer
O: 214.840.5217
M: 214.885.1152

From: Gabriela Chio <Gabriela.Chio@tceq.texas.gov>
Sent: Wednesday, December 3, 2025 10:10 AM
To: VanAssche, James <james.vanassche@energytransfer.com>
Cc: Blandino, Nicholas A <Nicholas.Blandino@energytransfer.com>
Subject: Technical Review -- FOP O4855/Project 39327, ET Gathering & Processing LLC/Arrowhead Gas Plant

Good afternoon,

I have been assigned to the Federal Operating Permit (FOP) initial issuance application of Permit No. O4855 for ET Gathering & Processing LLC, Arrowhead Gas Plant. This application has been assigned Project No. 39327. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

Please note:
A GOP renewal application is required for GOP O3946 before TCEQ can approve and complete the void request for GOP O3946. The SOP initial issuance application (FOP O4855, Project 39327) does not provide an application shield for the site, so if the SOP initial issuance is not issued before the GOP expiration date of 05/07/2026, the site would be operating without a permit. I have requested the technical contact for O3946/Project 39328, Nicholas Blandino, to submit both a GOP renewal application and a request that the GOP be voided upon issuance of the SOP initial. Since this step is needed, please be aware that project timelines and deadlines will be shorter in order to void the GOP O3946 and issue the SOP initial O4855 prior to the expiration date of the GOP O3946.

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

a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.

b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.

c. High level terms in the SOP Applicable Requirement Summary Table. The high level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.

d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

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

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

Please notify me when these updates have been submitted.

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

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

Thank you for your cooperation.

Sincerely,

Gaby

Gabriela Chio
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163

Austin, TX 78711
Phone: 512-239-4930
gabriela.chio@tceq.texas.gov

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1755 Wittington Place, Suite 500
Dallas, Texas 75234
United States
www.ghd.com

Our ref: 12678391

November 07, 2025

Air Permits Initial Review Team (APIRT), MC-161
Texas Commission on Environmental Quality (TCEQ)
12100 Park 35 Circle,
Building C, Third Floor, MC161
Austin, Texas 78753

RE: Title V Site Operating Permit (SOP) Initial Application
Energy Transfer Gathering & Processing LLC (CN606187110)
Arrowhead Gas Plant (RN109496638)
Coyanosa, Reeves County, Texas

Dear APIRT:

Energy Transfer Gathering & Processing LLC (ETGP) owns and operates Arrowhead Gas Plant (The Plant) in Coyanosa, Reeves County, Texas. The Plant is registered under TCEQ Regulated Entity Reference Number (RN) 109496638 and is currently authorized under Standard Permit No. 144703. The Plant operates under General Operating Permit (GOP) No. 3946. The Plant's GOP is due for renewal on November 7, 2025.

ETGP has elected to transition from the existing General Operating Permit (GOP) to a Title V Site Operating Permit (SOP) to obtain greater operational flexibility. GHD Services, Inc. (GHD) is submitting the enclosed initial SOP application for the Plant on behalf of ETGP. This initial SOP application submittal contains all the required forms, according to TCEQ guidance for SOP applications.

If you have any questions regarding this submittal, please contact James VanAssche at (214) 840-5217 or **james.vanassche@energytransfer.com**.

Regards,

Sagar Chitre

Sagar Chitre
Senior Air Quality Professional

+1 647-777-9619
sagar.chitre@ghd.com

Contents

1. Introduction **1**

2. Purpose of Application **1**

3. Process Description **1**

Attachments

Attachment 1 Area Map
Attachment 2 Plot Plan
Attachment 3 Process Flow Diagram (Train-1, Train-2. Train-3 and Train-4)

Appendices

Appendix A TCEQ Form OP-1
Appendix B TCEQ PIP Form
Appendix C TCEQ OP-ACPS
Appendix D TCEQ OP-CRO1
Appendix E TCEQ OP-DEL
Appendix F TCEQ OP-REQ1
Appendix G TCEQ OP-REQ3
Appendix H TCEQ OP-MON
Appendix I TCEQ OP-UA2 & OP-SUM
Appendix J TCEQ OP-UA3, OP-SUM & OP-REQ2
Appendix K TCEQ OP-UA6 & OP-SUM
Appendix L TCEQ OP-UA7 & OP-SUM & OP-REQ2
Appendix M TCEQ OP-UA10 & OP-SUM & OP-REQ2
Appendix N TCEQ OP-UA12 & OP-SUM & OP-REQ2
Appendix O TCEQ OP-UA62 & OP-SUM
Appendix P TCEQ OP-PBRSUP

1. Introduction

GHD Services, Inc. (GHD), on behalf of Energy Transfer Gathering & Processing LLC (ETGP), is submitting the enclosed initial Title V Site Operating Permit (SOP) application for the Arrowhead Gas Plant (The Plant). The Plant located in Coyanosa, Reeves County, Texas. ETGP operates under Texas Commission on Environmental Quality (TCEQ) Customer Number (CN) 606187110. The Plant has been assigned TCEQ Air Quality Account No. RFA012L and Regulated Entity Number (RN) 109496638. The Plant is currently permitted under Standard Permit No. 144703 and operates under a General Operating Permit (GOP) No. 3946.

2. Purpose of Application

The Plant's current GOP is due for renewal on November 7, 2025. ETGP has voluntarily elected to transition the existing GOP to a SOP in order to obtain enhanced operational flexibilities. GHD is submitting the enclosed initial SOP application for the Plant on behalf of ETGP. This initial SOP application submittal contains the following required TCEQ forms according to TCEQ guidance for initial SOP applications and the requirements listed in Title 30 of the Texas Administrative Code (30 TAC) §122.132.

- Appendix A: TCEQ Form OP-1
- Appendix B: TCEQ PIP Form
- Appendix C: TCEQ OP-ACPS
- Appendix D: TCEQ OP-CRO1
- Appendix E: TCEQ OP-DEL
- Appendix F: TCEQ OP-REQ1
- Appendix G: TCEQ OP-REQ3
- Appendix H: TCEQ OP-MON
- Appendix I: TCEQ OP-UA2 and OP-SUM
- Appendix J: TCEQ OP-UA3, OP-SUM and OP-REQ2
- Appendix K: TCEQ OP-UA6 and OP-SUM
- Appendix L: TCEQ OP-UA7, OP-SUM and OP-REQ2
- Appendix M: TCEQ OP-UA10, OP-SUM and OP-REQ2
- Appendix N: TCEQ OP-UA12, OP-SUM and OP-REQ2
- Appendix O: TCEQ OP-UA62 and OP-SUM
- Appendix P: TCEQ OP-PBRSUP

Please note that all the applicable OP-UA forms, OP-SUM forms, OP-REQ2 forms are submitted in STEERS using Excel forms.

3. Process Description

The Arrowhead Gas Plant is made up of four (4) natural gas processing plants, commonly referred to as Trains 1 through 4. Each processing train consists of amine natural gas and natural gas liquids (NGL) treating, natural gas triethylene glycol (TEG) and molecular sieve (mol sieve) dehydration, and cryogenic NGL processing. Trains 1 through

3 currently share condensate stabilization, liquid storage, and liquid loading operations. A second stabilization system with associated storage and loading is authorized for Train 4. The liquids handling shared by Trains 1 through 3 are the only shared equipment among the trains. The following paragraphs describe the equipment and processes in place at the Arrowhead Gas Plant.

Natural gas enters the trains through slug catchers and inlet separators where entrained liquids are separated from the inlet gases. The separated hydrocarbon liquids, along with additional field condensate unloaded from pressurized tank trucks (Facility Identification Numbers [FINs]: UNLD and UNLD2) at the Plant, are processed in condensate stabilization systems which produce Y-Grade product and stabilized condensate. The stabilized condensate from Trains 1 through 3 is pumped into six (6) shared atmospheric storage tanks (FIN: TK-COND) and loaded out by trucks (FIN: LOADB) as necessary. Storage tank vapors are routed through an electric-driven overhead compressor to a Plant Process Flare (FIN: FLARE1). Truck loading emissions are combusted by a truck loading flare (FIN: FLARE2). Train 4 stabilized condensate is pumped into six (6) other atmospheric storage tanks (FIN: TK-COND2) and loaded out by trucks (FIN: LOADB2). Both storage and loading of stabilized condensate at Train 4 are controlled by a flare (FIN: FLARE6). Y-Grade product is stored in pressurized tanks and exits the trains via pipeline.

Overhead flash gas from the stabilization systems is captured by multiple electric-driven overhead compressors and recycled back to the inlet of the Plant. In the event that an overhead compressor is down for maintenance, the vapors that cannot be captured by the remaining overhead compressors are sent to the Plants' Process Flares (FINs: FLARE1, FLARE3, FLARE4, and FLARE5) for combustion.

The inlet separator gas streams are routed to the amine sweetening units (FINs: AMINE, AMINE2 AMINE3, and AMINE4) for removal of carbon dioxide (CO2) and hydrogen sulfide (H2S). CO2 and H2S are removed from natural gas in a two-step amine process. Gas enters the bottom of the amine contactors where it encounters lean amine solution in counter-current flow. CO2 and H2S contained in the natural gas are absorbed in the amine. Sweetened natural gas exits the top of the amine contactors and flows to the trains' dehydration systems. Rich amine containing absorbed CO2 and H2S flows to amine flash tanks where entrained natural gas vapors are separated from the rich amine. The flash gas is combusted by the Plant flares (FINs: FLARE1, FLARE3, FLARE4, and FLARE5). Rich amine then enters the amine regenerator stills where it is heated to drive off CO2 and H2S. Lean amine is pumped from the bottom of the stills to the amine contactors to repeat the process.

CO2 and H2S rich vapors exit the top of the regenerator stills, are cooled in aerial coolers, and then flow into still reflux accumulators where condensed liquids and acid gas are separated. The condensed liquids are pumped back to the amine stills as reflux. The acid gas vapors from the Train 1 amine still are routed through a LO-CAT H2S removal system (FIN: LO-CAT) to remove sulfur for disposal. The acid gas vapors from the amine stills in the other three (3) trains are routed through Sulfaguard H2S stripping systems. The waste gases are then routed to thermal oxidizers (FINs: TO, TO2, TO3, and TO4) where any remaining H2S, volatile organic compounds (VOC), and other hydrocarbons are incinerated. The LO-CAT and Sulfaguard systems may be bypassed and the acid gas sent directly to the thermal oxidizers or to the acid gas flares (FINs: AGFLARE, AGFLARE2, AGFLARE3, and AGFLARE4). The bypasses may be used for small amounts of acid gas in conjunction with the use of the LO-CAT and/or Sulfaguard systems or may be used in place of these systems when the H2S content in the inlet gas is low enough to not require H2S removal prior to combustion. Acid gas is also routed to the acid gas flares during thermal oxidizer downtime.

Dehydration is accomplished using two (2) separate systems: TEG dehydration (FINs: DEHY, DEHY2, DEHY3, and DEHY4) and mol sieve dehydration. Sweet natural gas from the amine contactors enters the bottoms of the glycol contactors where it encounters TEG in counter-current flow. TEG absorbs water from the natural gas. Dry natural gas exits the tops of the glycol contactors and is routed to the mol sieve units where heat for regeneration of the mol sieve beds is supplied by regenerator heaters (FINs: REGEN-HTR, REGENHTR2, REGEN- HTR3, and REGEN HTR4). Rich TEG (water-saturated) leaving the glycol contactors is sent to flash tanks where entrained vapors are separated from the rich TEG. The flash gases are routed to the Plant flares (FINs: FLARE1, FLARE3, FLARE4, and FLARE5) for combustion. Rich glycol leaves the flash tanks and enters the glycol regenerator stills. Absorbed water and hydrocarbons are driven off by heat from the glycol reboilers (FINs: TEGREB, TEG-REB2, TEG-REB3, and TEG REB4). Lean glycol is recirculated to the glycol contactors. The still overhead vapors pass through BTEX condensers to remove water and heavy hydrocarbons. Any non-condensable vapors are routed to either the Plant flares (FINs: FLARE1, FLARE3, FLARE4, and FLARE5) or the thermal oxidizers (FINs: TO,TO2, TO3, and TO4) for combustion.

The condensed water and hydrocarbons are sent to atmospheric slop oil/water storage tanks (FINs: TK-SLOP and TK-SLOP2) and loaded out by truck (FINs: LOADA and LOADA2) as necessary.

After dehydration, sweet, dry natural gas is routed to the cryogenic process for recovery of NGL. Liquids are removed by chilling the natural gas while reducing the stream pressure to the point where the NGL condenses out from the gas stream. This is accomplished using electric motor-driven compressors and turboexpanders. The resulting NGL is treated in amine liquid contactors prior to being discharged from the Plant via pipeline. Rich amine from the NGL amine contactors is regenerated with the rich amine from the natural gas amine contactors.

Residue gas leaving the cryogenic units is compressed by fourteen (14) dual-drive engine-driven recompressors (FINs: C-1 through C-6 and C-13 at Trains 1 and 2 and FINs: C-7 through C-12 and C-14 at Trains 3 and 4) prior to being sent out through the residue pipeline.

The trains generate fugitive emissions (FINs: FUG, FUG2, FUG3, and FUG4) from equipment components such as piping fittings, pumps, and compressor seals. ETGP implements a Leak Detection and Repair (LDAR) program in order to minimize emissions from leaks at the trains. Gas analyzers (FINs: ANLYZR, ANLYZR2, ANLYZR3, and ANLYZR4) on various process streams throughout the trains are additional sources of emission leaks.

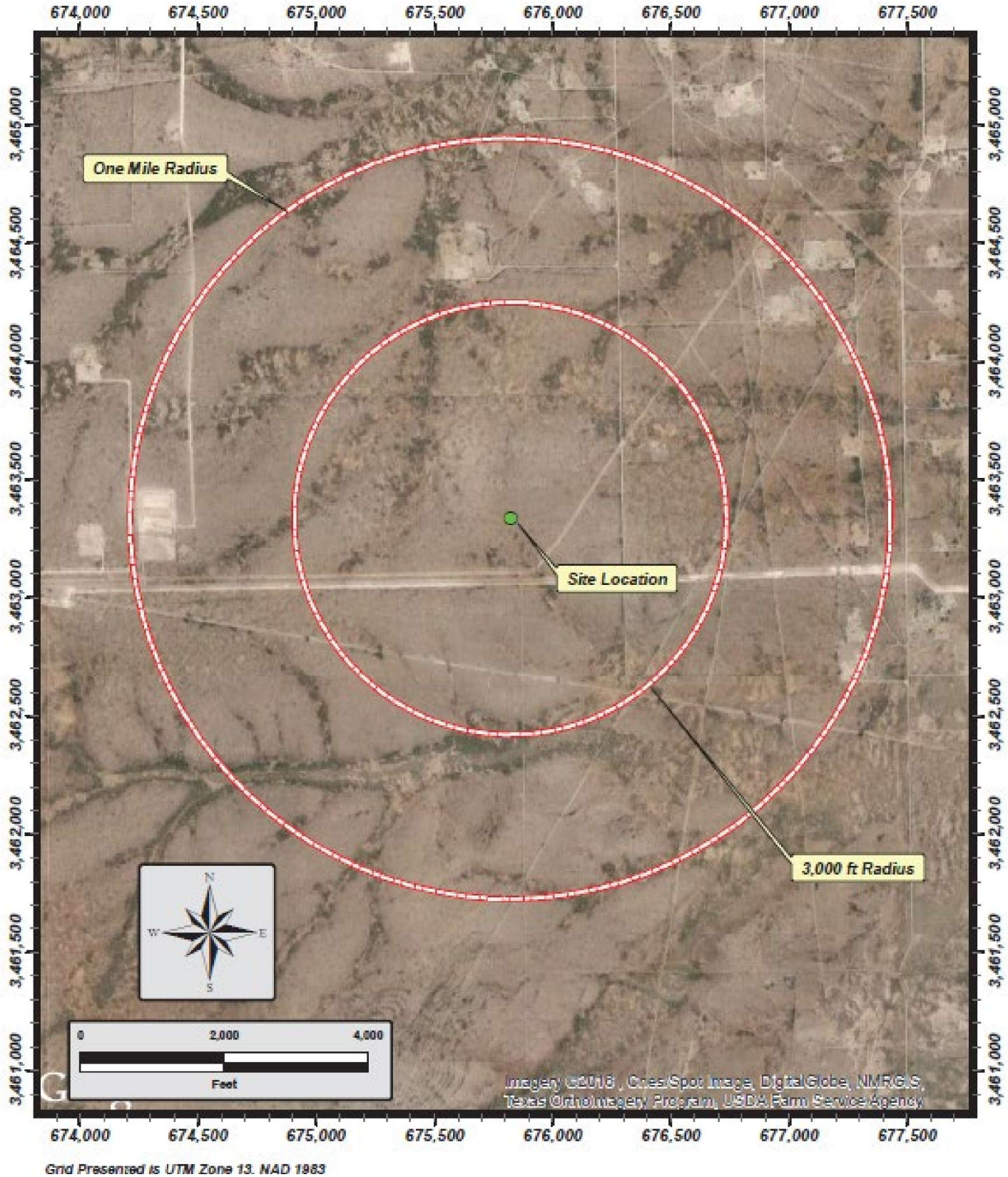
Heat for the amine treating systems, stabilization systems, and cryogenic plants are provided by hot oil systems and natural gas-fueled heaters (FINs: HMO-HTR, HMO-HTR2, HMO-HTR3, and HMO-HTR4). The trains are also equipped with various fixed roof tanks (FINs: TK-MISC and TK-MISC2) storing lube oil, antifreeze, methanol, glycol, and amine to support the operations on site.

The area map (Figure 1) is included under Attachment 1. The plot plan (Figure 2) depicting the Plant's layout is included in Attachment 2. The simplified process flow diagrams (Figures 3-1 to 3-4) depicting the operations described above, are included under Attachment 3.

Attachments

Attachment 1

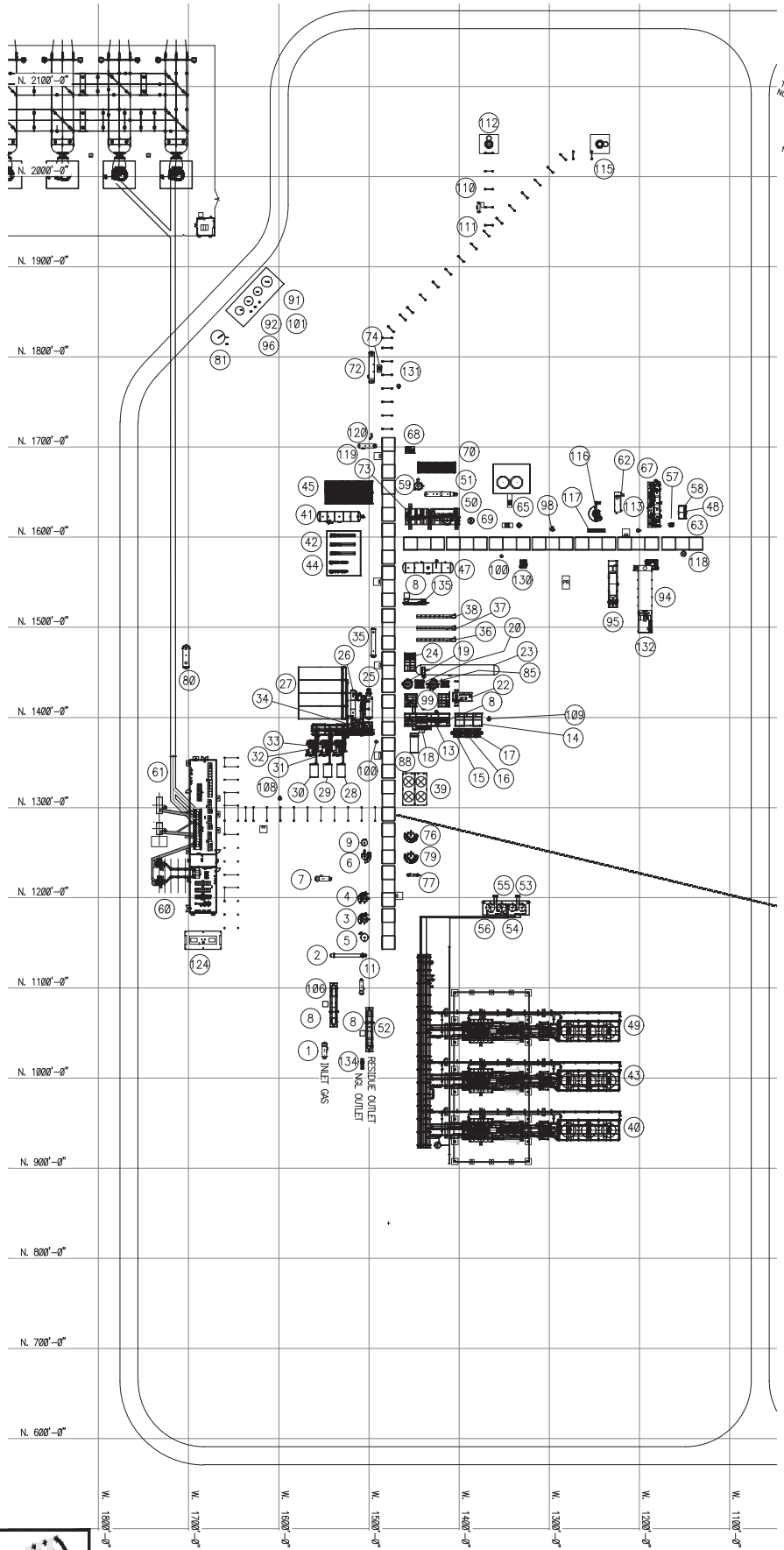
Area Map

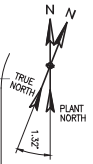


Grid Presented is UTM Zone 13. NAD 1983

Attachment 2

Plot Plan





	TAG NUMBER	DESCRIPTION
1	F-1161-3	INLET FILTER COALESCER SEPARATOR
2	E-1330-3	INLET GAS/GAS EXCHANGER
3	T-1103-3	INLET GAS AMINE CONTACTOR
4	T-1104-3	INLET GAS AMINE CONTACTOR
5	V-1106-3	AMINE AFTER SCRUBBER
6	T-1400-3	GLYCOL CONTACTOR
7	F-2422-3	GLYCOL CONTACTOR INLET FILTER SEPARATOR
8	–	GC BUILDING (4 TOTAL)
9	V-1401-3	GLYCOL AFTERSCRUBBER
11	F-2210-3	RESIDUE GAS FILTER/COALESCER
13	–	UPPER LEVEL INLET SKID #6
14	–	DEHY SWITCHING VALVE SKID #2
15	V-442-3	MOL SIEVE DEHYDRATOR
16	V-443-3	MOL SIEVE DEHYDRATOR
17	V-444-3	MOL SIEVE DEHYDRATOR
18	–	INLET FILTER SKID #1
19	V-402-3	COLD SEPARATOR
20	E-201-3	WARM GAS/GAS EXCHANGER
22	EC-101-3	EXPANDER/COMPRESSOR
23	V-404-3	PRODUCT SURGE TANK
24	–	PRODUCT PUMP SKID #5
25	E-203-3	CHILLER
26	V-463-3	REFRIGERANT ACCUMULATOR
27	A-361-3	REFRIGERANT CONDENSER
28	A-161-3	LUBE OIL COOLER
29	A-162-3	LUBE OIL COOLER
30	A-163-3	LUBE OIL COOLER
31	C-161-3	REFRIGERANT COMPRESSOR
32	C-162-3	REFRIGERANT COMPRESSOR
33	C-163-3	REFRIGERANT COMPRESSOR
34	–	REFRIGERATION SKID #7
35	V-403-3	COLD DRAIN TANK
36	P-1505A-3	NGL PIPELINE PUMP
37	P-1505B-3	NGL PIPELINE PUMP
38	P-1505C-3	NGL PIPELINE PUMP
39	A-301-3	EXPANDER COMPRESSOR AFTERCOOLER
40	CR-201-3	RESIDUE GAS COMPRESSOR
41	V-1119-3	AMINE SURGE TANK
42	P-1105A/B/C-3	AMINE SOLUTION PUMPS (GAS)
43	CR-202-3	RESIDUE GAS COMPRESSOR
44	P-1504A/B-3	AMINE SOLUTION PUMPS (NGL)
45	AC-1111A/B-3	AMINE SOLUTION COOLERS
47	V-1109-3	AMINE FLASH TANK
48	AC-1415-3	BTEX CONDENSER
49	CR-203-3	RESIDUE GAS COMPRESSOR
50	–	AMINE SKID
51	E-1117-3	AMINE REBOILER
52	FE-2210A/B-3	RESIDUE GAS METER
53	TK-3003-3	LUBE OIL TANK
54	TK-3002-3	WASTE LUBE OIL TANK
55	TK-3000-3	COOLANT STORAGE TANK
56	TK-3001-3	WASTE COOLANT STORAGE TANK
57	V-1416-3	GLYCOL OVHD ACCUMULATOR
58	AC-1411-3	GLYCOL COOLER
59	T-1114-3	AMINE REGEN STILL
60	–	LOW VOLTAGE MCC
61	–	MEDIUM VOLTAGE MCC
62	H-741-3	REGEN GAS HEATER
63	–	BTEX BLOWER PLATFORM
65	–	SULFA GUARD
67	–	GLYCOL REGEN SKID
68	–	REFLUX ACCUMULATOR/PUMP SKID #3
69	TK-1115-3	AMINE SUMP TANK
70	AC-1115-3	REFLUX CONDENSER
72	V-1810-3	FLARE KNOCKOUT DRUM
73	P-1850-3	ANTI-FOAM INJECTION PUMP
74	P-1820A/B-3	FLARE KNOCKOUT PUMP
76	T-1500-3	NGL AMINE CONTACTOR
77	F-1503-3	TREATED NGL COALESCER
79	T-1501-3	NGL AMINE CONTACTOR
80	V-470-3	PROPANE STORAGE TANK
81	TK-2920-3	R.O. STORAGE TANK
85	T-501-3	DEMETHANIZER
88	A-341-3	REGEN GAS COOLER
91	TK-2800-3	SLOP OIL STORAGE TANK
92	TK-110-3	AMINE STORAGE TANK
94	H-1706-3	STABILIZER HMO HEATER
95	–	STABILIZER HMO PUMP SKID
96	TK-3145-3	HMO STORAGE TANK
98	v-1910-3	CO2 VENT SCRUBBER
99	–	PROCESS SKID #3 & #4
100	V-4015A/B-3	INSTRUMENT AIR SURGE TANK
101	TK-2423-3	GLYCOL STORAGE TANK
105	P-1660A/B-3	Y-GRADE BOOSTER PUMPS
106	FE-1161A/B-3	INLET METER
108	TK-730-3	REFRIGERATION SUMP TANK
109	TK-750-3	CRYO SUMP TANK
110	P-1942-3	ACID GAS FLARE K.O. PUMP
111	V-1941-3	ACID GAS FLARE K.O. DRUM
112	FL-1940-3	ACID GAS FLARE
113	TK-2424-2	GLYCOL SUMP TANK
115	FL-1800-3	FLARE
116	TO-1900-3	THERMAL OXIDIZER
117	–	THERMAL OXIDIZER CONTROL RACK
118	TK-2870-3	OPEN DRAIN SUMP TANK
119	V-2810-3	CLOSED DRAIN DRUM
120	P-2820-3	CLOSED DRAIN OIL PUMP
124	C-4000-3	INSTRUMENT AIR COMPRESSOR
128	FE-1000-3	SLUG CATCHER LIQUID METER SKID
130	V-1600-3	WET FUEL GAS SCRUBBER SKID #6
131	TK-2850-3	OPEN DRAIN SUMP
132	–	HMO FG TRAIN/BLOWER
134	FE-2211A-3	BUY BACK METER SKID
135	FE-1501-3	NGL PRODUCT METER

0 100' 200' 300'

GRAPHIC SCALE: 1"=60'-0"

TOP OF DIRT TO BE 2622'-0" WITH 4" GRAVEL MAT. TOP OF GRAVEL TO BE 2622'-4" AND TO EQUAL 100'-0". EL.2622'-4" = 100'-0"

ENERGY TRANSFER

DRAWING NO. 55070318-000-1003 REV. B

REV	DESCRIPTION	BY	DATE	CHK'D	APP'D
B	ISSUED FOR REVIEW	BWS	8/1/18		
A	ISSUED FOR REVIEW	BWS	7/27/18		

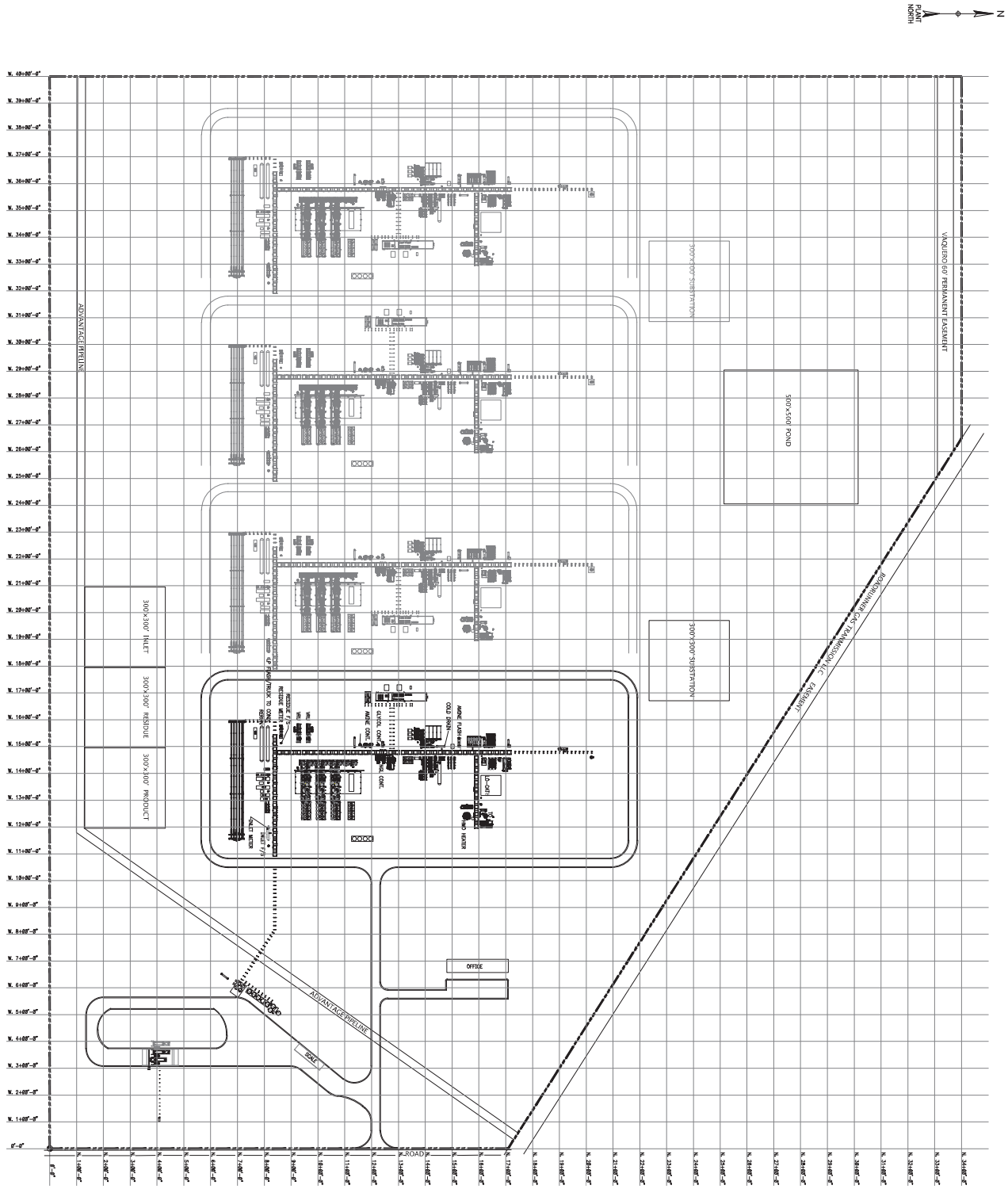
PROJ NO. 55070318018Z159 | SCALE 1"=60'-0" | APPROVED | DATE | CHECKED | DATE | DRAWN BWS | DATE 7/27/18

ENERGY TRANSFER
ARROWHEAD III CRYO PLANT
COYANOSA TEXAS

PROCESS AREA
PLOT PLAN
6-2

MATRIX PDM ENGINEERING

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ENERGY TRANSFER

B	ISSUED FOR DESIGN	BWS		JG	PAH	
A	ISSUED FOR REVIEW	BWS				
REV	DESCRIPTION	BY	DATE	CHK'D	APP'D	

DRAWN BWS
CHECKED JG
APPROVED PAH
SCALE N.T.S.
PROJ. NO.

ENERGY TRANSFER PARTNERS, LP
ARROWHEAD CRYO PLANT
COYANOSA TEXAS

SITE PLAN

6-3

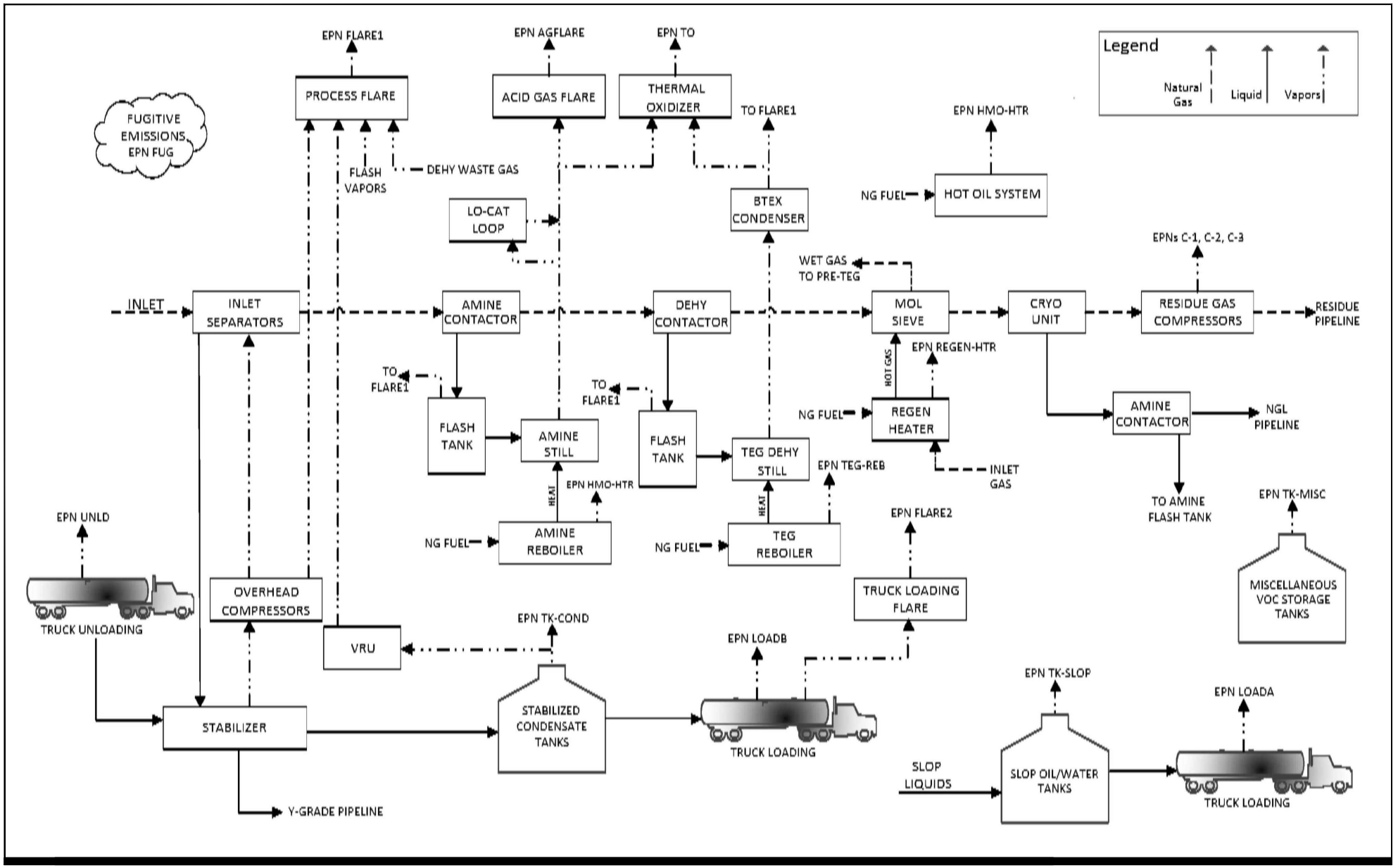
Devco

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Attachment 3

Process Flow Diagrams
(Train 1, Train 2, Train 3 and Train 4)



ENERGY TRANSFER GATHERING & PROCESSING LLC
REEVES COUNTY, TEXAS
ARROWHEAD GAS PLANT
SOP INITIAL APPLICATION

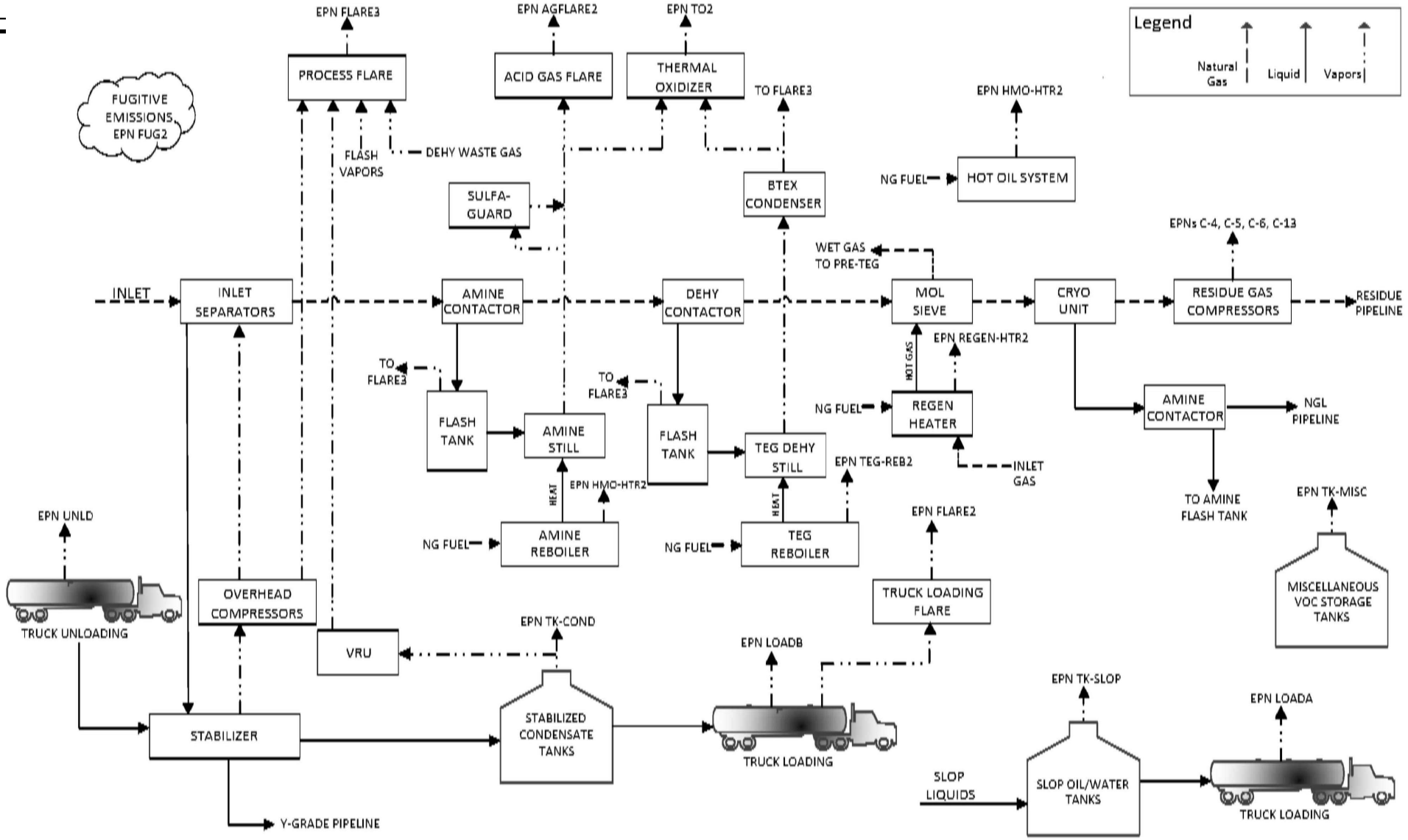
PLANT 1
PROCESS FLOW DIAGRAM

Project No. **12678391**
Date **November 2025**

FIGURE 3-1

Filename: N:\US\Dallas\Projects\Legacy\CAD\Files\Eight Digit Job Numbers\1267----\12678391\12678391-GHD-00-00-EN-RPT-D101_DL-001.dwg
Plot Date: 05 November 2025 4:19 PM

Data Source: APEX Companies, LLC - Figure 2-1 "Plant 1 Process Flow Diagram"



ENERGY TRANSFER GATHERING & PROCESSING LLC
REEVES COUNTY, TEXAS
ARROWHEAD GAS PLANT
SOP INITIAL APPLICATION

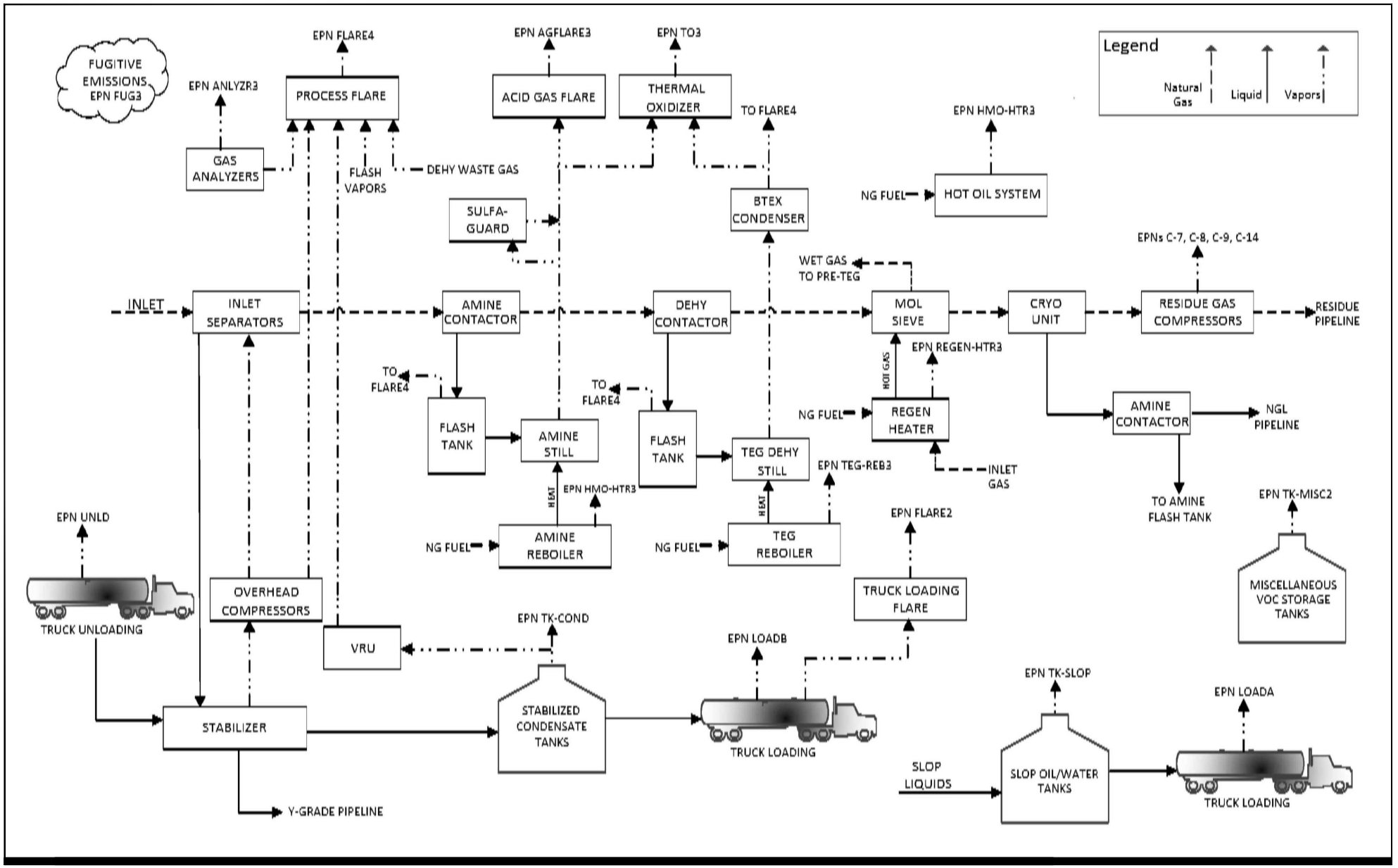
PLANT 2
PROCESS FLOW DIAGRAM

Project No. **12678391**
Date **November 2025**

FIGURE 3-2

Filename: N:\US\Dallas\Projects\Legacy\CAD\Files\Eight Digit Job Numbers\1267----\12678391\12678391-GHD-00-00-EN-RPT-D101_DL-001.dwg
Plot Date: 05 November 2025 4:18 PM

DData Source: APEX Companies, LLC - Figure 2-2 "Plant 2 Process Flow Diagram"



ENERGY TRANSFER GATHERING & PROCESSING LLC
REEVES COUNTY, TEXAS
ARROWHEAD GAS PLANT
SOP INITIAL APPLICATION

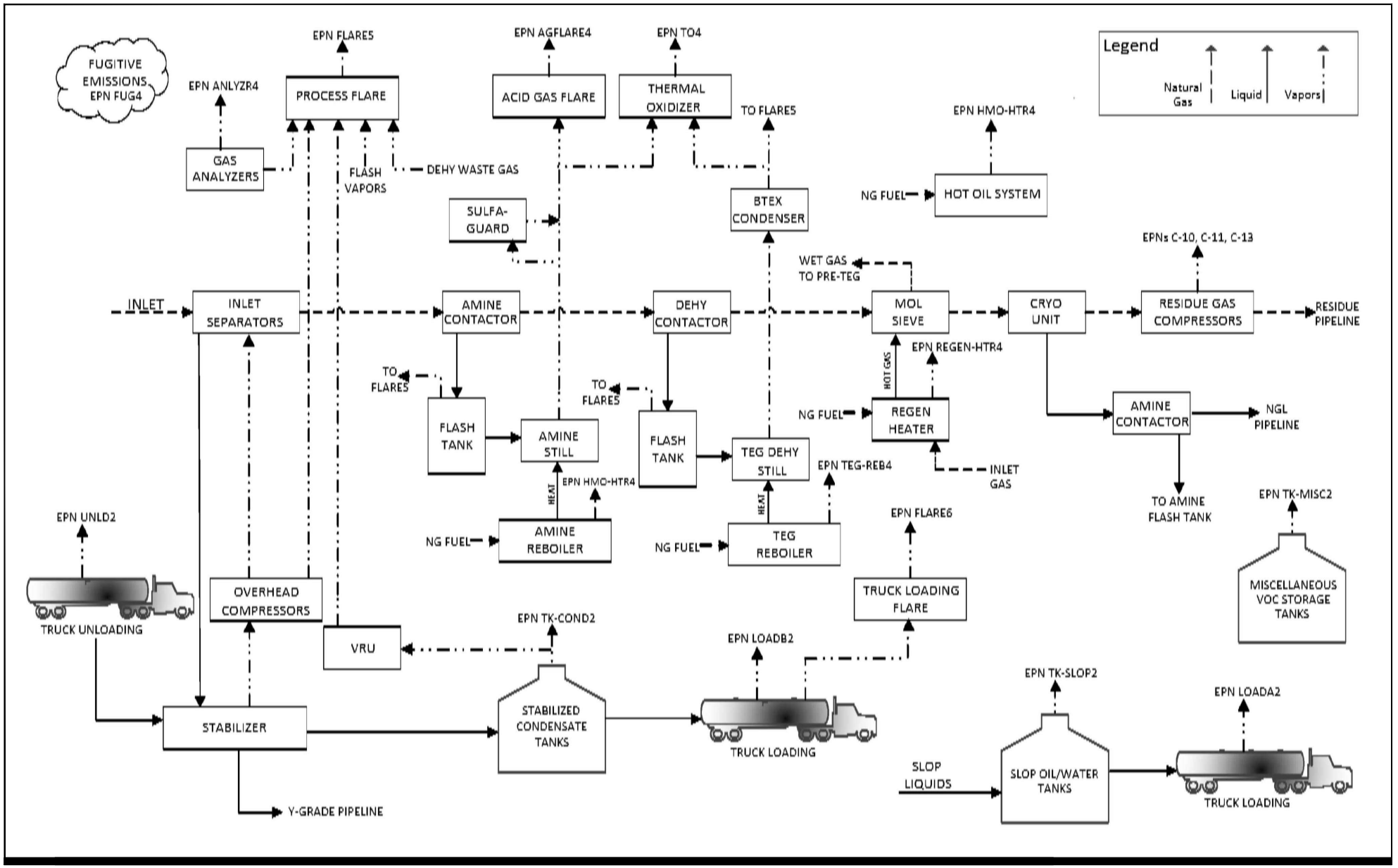
PLANT 3
PROCESS FLOW DIAGRAM

Project No. **12678391**
Date **November 2025**

FIGURE 3-3

Filename: N:\US\Dallas\Projects\Legacy\CAD\Files\Eight Digit Job Numbers\1267----\12678391\12678391-GHD-00-00-EN-RPT-D101_DL-001.dwg
Plot Date: 05 November 2025 4:16 PM

Data Source: APEX Companies, LLC - Figure 2-3 "Plant 3 Process Flow Diagram"



ENERGY TRANSFER GATHERING & PROCESSING LLC
REEVES COUNTY, TEXAS
ARROWHEAD GAS PLANT
SOP INITIAL APPLICATION

PLANT 4
PROCESS FLOW DIAGRAM

Project No. **12678391**
Date **November 2025**

FIGURE 3-4

Filename: N:\US\Dallas\Projects\Legacy\CAD\Files\Eight Digit Job Numbers\1267----\12678391\12678391-GHD-00-00-EN-RPT-D101_DL-001.dwg
Plot Date: 05 November 2025 4:15 PM

Data Source: APEX Companies, LLC - Figure 2-4 "Plant 4 Process Flow Diagram"

Appendices

Appendix A

TCEQ Form OP-1

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: ET Gathering & Processing LLC
B.	Customer Reference Number (CN): **CN** 606187110
C.	Submittal Date *(mm/dd/yyyy)*: 11/07/2025
II.	**Site Information**
A.	Site Name: Arrowhead Gas Plant
B.	Regulated Entity Reference Number (RN): **RN** 109496638
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: Christopher Thompson		
RO Title: VP – Operations		
Employer Name: Energy Transfer Gathering & Processing LLC		
Mailing Address: 303 Veterans Airpark Ln		
City: Midland		
State: Texas		
ZIP Code: 79705		
Territory:		
Country: United States of America		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: 432-522-8909		
Fax No.:		
Email: christopher.thompson@energytransfer.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: James VanAssche	
Technical Contact Title: Sr. Engineer – Environmental	
Employer Name: Energy Transfer Gathering & Processing LLC	
Mailing Address: 8111 Westchester Dr	
City: Dallas	
State: Texas	
ZIP Code: 75225	
Territory:	
Country: United States of America	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 214-840-5217	
Fax No.:	
Email: james.vanassche@energytransfer.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: César Blanco	
B. State Representative: Eddie Morales	
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: Arrowhead Gas Plant
B.	Physical Address:
City:	
State:	
ZIP Code:	
C.	Physical Location: From Gamboa Rd & FM1776 in Coyanosa, go N 2.6 mi to FM1450, go W on FM1450 5.3 mi
& turn L on unnamed rd. Plant is approx. 1.4 mi S on W side of rd.	
D.	Nearest City: Coyanosa
E.	State: TX
F.	ZIP Code: 79730

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): 31° 17’ 27.94"
H.	Longitude (nearest second): -103° 9’ 10.08"
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: 71
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
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: Reeves County Library
B.	Physical Address: 315 S Oak St
City: Pecos, Texas	
ZIP Code: 79772	
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: Raymond Bradford	
Contact Mailing Address: 1706 South Midkiff Rd	
City: Midland	
State: Texas	
ZIP Code: 79701	
Territory:	
Country: United States of America	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 432-522-8654	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Appendix B

TCEQ PIP Form

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☒ New Permit or Registration Application

☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Due to location of the site, there has been no significant public interest in prior permit actions.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

Appendix C

TCEQ OP-ACPS

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 11/07/2025	**Regulated Entity No.:** 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC		**Area Name:** Arrowhead Gas 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.*	

Appendix D

TCEQ OP-CRO1

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

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

I. Identifying Information	
RN: 109496638	
CN: 606187110	
Account No.: RFA012L	
Permit No.: TBA	
Project No.: TBA	
Area Name: Arrowhead Gas Plant	
Company Name: ET Gathering & Processing LLC	
II. Certification Type *(Please mark appropriate box)*	
☐ Responsible Official Representative	☒ Duly Authorized Representative
III. Submittal Type *(Please mark appropriate box) (Only one response can be accepted per form)*	
☒ SOP/TOP Initial Permit Application	☐ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application	☐ Update to Permit Application
☐ Other: _____	

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

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

IV. Certification of Truth
This certification does not extend to information which is designated by TCEQ as information for reference only.
I, Michael Crawford 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: e-signed via STEERS Signature Date: _____ _____
Title: Director – Operations

Appendix E

TCEQ OP-DEL

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
Texas Commission on Environmental Quality

I. Identifying Information
Account Number: WC0014E
Regulated Entity Number: RN 100215532
Customer Reference Number: CN 606187110
Permit Number: O-3186
Area Name: Mi Vida Treater Plant
Company Name: ET Gathering and Processing, LLC
II. Duly Authorized Representative Information
Action Type: ☒ New DAR Identification ☐ Administrative Information Change
Conventional Title: ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.
Name (Driver License/STEERS): Michael Crawford (ER011066)
Title: Director - Operations
Delegation Effective Date: 8/18/25
Telephone Number: 432-438-2509
Fax Number:
Company Name: ET Gathering & Processing, LLC
Mailing Address: 1706 S Midkiff Rd.
City: Midland
State: Texas
ZIP Code: 79701
Email Address: michael.crawford@energytransfer.com

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
Texas Commission on Environmental Quality

III. Certification of Truth, Accuracy, and Completeness

I, Christopher Thompson
(Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change)

Certify that, based on information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. (RO signature required for New DAR Identification only; DAR signature required for any Action Type)

Responsible Official Signature: _____

Date: 9-4-2025

Duly Authorized Representative Signature: _____

(Name(s) printed or typed) Michael Crawford

Date: 9-4-25

IV. Removal of Duly Authorized Representative(s)

The following should be removed as Duly Authorized Representative(s):

_____
(Name(s) printed or typed)

Effective Date: _____

Responsible Official Signature: _____

Date: _____

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
(Extension)
Texas Commission on Environmental Quality

V. Additional Identifying Information
Account Number: PE0042O
Regulated Entity Number: RN 100239698
Customer Reference Number: CN 606187110
Permit Number: O-3187
Area Name: Coyanosa Gas Plant
Account Number: PE0016P
Regulated Entity Number: RN 100210087
Customer Reference Number: CN 606187110
Permit Number: O-3146
Area Name: Gomez Gas Treating Facility
Account Number: PE0195L
Regulated Entity Number: RN 100213644
Customer Reference Number: CN 606187110
Permit Number: O-2617
Area Name: Gomez Compressor Station
Account Number: PE0027K
Responsible Official: RN 100218122
Customer Reference Number: CN 606187110
Permit Number: O-759
Area Name: Diamond Y Compressor Station
Account Number: RFA012L
Regulated Entity Number: RN 109496638
Customer Reference Number: CN 606187110
Permit Number: O-3947
Area Name: Arrowhead Gas Plant

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
(Extension)
Texas Commission on Environmental Quality

V. Additional Identifying Information
Account Number: PE0024Q
Regulated Entity Number: RN 100211408
Customer Reference Number: CN 606187110
Permit Number: O-2546
Area Name: Waha Gas Plant
Account Number: CZ0012K
Regulated Entity Number: RN 100217843
Customer Reference Number: CN 606187110
Permit Number: O-3190
Area Name: Tippett Gas Plant
Account Number:
Regulated Entity Number: RN
Customer Reference Number: CN
Permit Number:
Area Name:
Account Number:
Responsible Official: RN
Customer Reference Number: CN
Permit Number:
Area Name:
Account Number:
Regulated Entity Number: RN
Customer Reference Number: CN
Permit Number:
Area Name:

Appendix F

TCEQ OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 2)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 determine 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, answer 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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 3)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/07/2025		RN 109496638

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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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 4)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 a covered attainment county 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.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 "Yes," 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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 (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)**	
♦	1.	The application area includes equipment in benzene service.	☐ Yes ☐ No ☐ N/A

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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 Question VIII.N.13.*	☐ 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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 Question VIII.N.13.*	☐ 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
13.	The application area includes Group 1 gasoline loading racks as specified in § 63.650(a).	☐ 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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 subje ct 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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)**	
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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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)**	
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 a thermoplastic product process unit. *If the response to Question VIII.X.18 is "No," go to Section VIII.Y.*	☐ Yes ☐ No

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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.24.*	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, 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 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
8.	The application area includes process wastewater streams, located at new sources, 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 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
9.	The application area includes process wastewater streams, located at new sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
10.	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.10 is "Yes," go to Question VIII.AA.24.*	☐ Yes ☐ No
11.	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.11 is "No," go to Question VIII.AA.13.*	☐ Yes ☐ No
12.	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
13.	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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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)**	
14.	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.13 and VIII.AA.14 are both "No," go to Question VIII.AA.20.*	☐ Yes ☐ No
15.	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.15 is "No," go to Question VIII.AA.17.*	☐ Yes ☐ No
16.	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
17.	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.17 is "No," go to Question VIII.AA.19.*	☐ Yes ☐ No
18.	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
19.	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
20.	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
21.	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.21 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
22.	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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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)**	
23.	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
24.	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.24 is "No," go to Section VIII.BB.*	☐ Yes ☐ No
25.	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.25 is "No," go to Section VIII.BB.*	☐ Yes ☐ No
26.	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
27.	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
28.	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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (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 remediations 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.	All site remediation activities are complete, and the Administrator has been notified in writing. *If the answer to Question VIII.CC.4 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
5.	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.5 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
6.	The site remediation will be completed within 30 consecutive calendar days.	☐ Yes ☐ No
7.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.7 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
8.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐ Yes ☐ No
9.	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.9 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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)**	
10.	The application area includes a remediation material management unit used for cleanup of radioactive mixed waste per § 63.7886(c).	☐ Yes ☐ No
11.	The application area includes a remediation material management unit or combination of units with a total annual quantity of HAP less than 1 Mg/yr that is being exempted from § 63.7886(b) per § 63.7886(d).	☐ Yes ☐ No
12.	The application area includes a remediation material management unit that has an average total VOHAP concentration of remediation material less than 500 ppmw and is complying with § 63.7886(b)(2). *If the response to Question VIII.CC.12 is "No," go to Question VIII.CC.14.*	☐ Yes ☐ No
13.	The application area includes a remediation material management unit that concentrates all or part of the material such that the material's VOHAP concentration could increase.	☐ Yes ☐ No
14.	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.14 is "No," go to Question VIII.CC.21.*	☐ Yes ☐ No
15.	The application area includes containers that are also subject to and complying with another subpart under 40 CFR part 61 or part 63 per § 63.7886(b)(3).	☐ Yes ☐ No
16.	The application area includes containers that are complying with alternative work practice standards that have been approved by the EPA per § 63.7900(e).	☐ Yes ☐ No
17.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ Yes ☐ No
18.	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
19.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ Yes ☐ No
20.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ Yes ☐ No
21.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐ Yes ☐ No

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
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
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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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)**	
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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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.	
Subpart ZZZZ			

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page77)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

For SOP applications, answer ALL questions unless otherwise directed.
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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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. *If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.*	☐ Yes ☒ No
♦	5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO_X and is subject to 101.351(c).	☐ Yes ☐ No
	6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ Yes ☒ No
♦	7.	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
♦	8.	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. *If the response to Question XI.K.1 is "Yes," go to Section XI.L.*	☒ 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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

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

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

XII. NSR Authorizations (Attach additional sheets if necessary for sections XII.E-J.)

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	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

Permit No.	Issuance Date	Pollutant(s):	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.	Issuance Date	NSR Permit No.	Issuance Date	NSR Permit No	Issuance Date

Date	Permit No.	Regulated Entity No.
11/07/2025	TBD	RN 109496638

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

XII. NSR Authorizations (continued) - (Attach additional sheets if necessary for sections XII.E-J.)

♦ **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
144703	10/16/2024				

♦ **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.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
106.359	09/10/2013				

♦ **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

Appendix G

TCEQ OP-REQ3

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

Table 1a: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	GRP-COMPENG	OP-UA2	63ZZZZ-COMPENG	HAPs	MACT ZZZZ	§63.6590(c)
	GRP-COMPENG	OP-UA2	60JJJJ-COMPENG	NOx, CO, VOC	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(a)(1)-(2), (a)(2)(iii), (b), (b)(1)-(2) §60.4243(b)(2)(ii), (e), (g)
	HMO-HTR	OP-UA6	60Dc-HTR	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR2	OP-UA6	60Dc-HTR2	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR3	OP-UA6	60Dc-HTR3	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	HMO-HTR4	OP-UA6	60Dc-HTR4	PM, SO_2	40 CFR Part 60 Subpart Dc	§60.40c(a)
	GRP-COND	OP-UA3	60OOOOb-COND	VOC, GHG	NSPS OOOOb	None [§60.5365b(e)]
	GRP-SLOP	OP-UA3	60OOOOb-SLOP	VOC, GHG	NSPS OOOOb	None [§60.5365b(e)]
	GROUP-FLARE	OP-UA7	R1111-001	PM Opacity	30TAC Chapter 111	§111.111(a)(4)(A)
	GROUPACIDFLARE	OP-UA7	R1111-001-AG	PM Opacity	30TAC Chapter 111	§111.111(a)(4)(A), (a)(1)(B), (a)(1)(E)

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

Table 1a: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	PRO-AMINE	OP-UA10	60OOOOa-1	SO2	NSPS OOOOa	§60.5365a(g)(3)
	PRO-AMINE2	OP-UA10	60OOOOb-1	SO2	NSPS OOOOb	§60.5365b(g)(3)
	PRO-AMINE3	OP-UA10	60OOOOb-1	SO2	NSPS OOOOb	§60.5365b(g)(3)
	PRO-AMINE4	OP-UA10	60OOOOa-1	SO2	NSPS OOOOa	§60.5365a(g)(3)
	DEHY	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY2	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY3	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)
	DEHY4	OP-UA62	63HH-1	HAP	MACT HH	§63.764(e)(1)(ii) §63.764(a), (e)(1), (j) §63.775(c)(8)

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

Table 1a: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
	GRP-COMP	OP-UA12	60OOOOa-COMP	VOC	NSPS OOOOa	§60.5385a(a)(2) §60.5370a(a)-(b) §60.5385a (a)-(d) §60.5410a §60.5415a(c), (c)(2)-(3)
	GRP-COMP2	OP-UA12	60OOOOb-COMP	VOC, GHG	NSPS OOOOb	§60.5385b(a)(1-3) §60.5370b(a)-(b) §60.5385b (a)-(g) §60.5410b(e) §60.5415b(g)
	FUG	OP-UA12	60OOOOb-ALL	VOC, GHG	NSPS OOOOb	§60.5400b(a) §60.5400b(b) §60.5400b(c)-(g) §60.5400b(h) §60.5400b(i) §60.5400b(j) §60.5400b(k) §60.5400b(l) §60.5402b(b) §60.5370b(a)(4) §60.5410b(h) §60.5415b(h)

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

Table 1b: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	GRP-COMPENG	63ZZZZ-COMPENG	HAPs	None	None	None
	GRP-COMPENG	60JJJJ-COMPENG	NOx, CO, VOC	§60.4243(b), (e), (g) §60.4244(a)-(g)	§60.4243(a)(1) §60.4245(a)(1)-(4)	[G]§60.4245(c) §60.4245(d)
	HMO-HTR	60Dc-HTR	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR2	60Dc-HTR2	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR3	60Dc-HTR3	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	HMO-HTR4	60Dc-HTR4	PM, SO_2	None	§60.48c(g)(1)-(g)(3), (i)	§60.48c(a)(1)
	GRP-COND	60OOOOb-COND	VOC, GHG	None	§60.5365b(e)	None
	GRP-SLOP	60OOOOb-SLOP	VOC, GHG	None	§60.5365b(e)	None
	GROUP-FLARE	R1111-001	PM Opacity	§111.111(a)(4)(A)(i)-(ii)	§111.111(a)(4)(A)(ii)	None
	GROUPACIDFLARE	R1111-001	PM Opacity	§111.111(a)(1)(F)(i)-(iii) Periodic Monitoring	None	None

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

Table 1b: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	PRO-AMINE	60OOOOa-1	SO2	None	§60.5423a(c)	§60.5420a(a), (a)(1)
	PRO-AMINE2	60OOOOb-1	SO2	None	§60.5423b(e)	§60.5420b(a),(a)(1)
	PRO-AMINE3	60OOOOb-1	SO2	None	§60.5423b(e)	§60.5420b(a),(a)(1)
	PRO-AMINE4	60OOOOa-1	SO2	None	§60.5423a(c)	§60.5420a(a), (a)(1)
	DEHY	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY2	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY3	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	DEHY4	63HH-1	HAP	[G]§63.772(b)(2)	§63.774(d)(1), (d)(1)(ii)	None
	GRP-COMP	60OOOOa-COMP	VOC	§60.5410a(c)(1) §60.5415a(c)(1)	§60.5410a(c)(4) §60.5420a(c), [G](c)(3)	§60.5410a(c)(3) §60.5420a(a), (a)(1), (b), [G](b)(4) §60.5420a(b)(11), [G](b)(13)-(14)

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

Table 1b: Additions

Date: 11/07/2025	**Regulated Entity No.:** RN 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC	**Area Name:** Arrowhead Gas Plant	

	GRP-COMP2	60OOOOb-COMP	VOC, GHG	§60.5410b(e) §60.5415b(g)	§60.5410b(e)(7) §60.5420b(c), [G](c)(5)	§60.5410b(e)(6) §60.5420b(a), (a)(1), (b), [G](b)(6), §60.5420b(b)(15)
	FUG	60OOOOb-ALL	VOC, GHG	§60.5400b(b) §60.5400b(c) §60.5400b(c)(1) §60.5400b(b)(3) §60.5400b(b)(4) §60.5400b(d) §60.5400b(d)(1) §60.5400b(d)(2) §60.5400b(d)(3)	§60.5400b(l) §60.5420b(c)(8) §60.5421b	§60.5400b(k) §60.5422b(a) §60.5422b(b)

Appendix H

TCEQ OP-MON

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: GRP-ENG		
Applicable Form: OP-UA2		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 60JJJJ-COMPENG		
Pollutant: CO		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-CC-043		
Deviation Limit: Pre-catalyst temperature ≥ 750 F and ≤ 1250 F		
CAM/PM Option No.: CAM-CC-040		
Deviation Limit: Maximum CO emission rate of 0.80 g/bhp-hr		
V. Control Device Information		
Control Device ID No.: GRP-OXCAT		
Control Device Type: CATCNV		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
C-1	OXCAT-1	CATCNV
C-2	OXCAT-2	CATCNV
C-3	OXCAT-3	CATCNV
C-4	OXCAT-4	CATCNV
C-5	OXCAT-5	CATCNV
C-6	OXCAT-6	CATCNV
C-7	OXCAT-7	CATCNV
C-8	OXCAT-8	CATCNV
C-9	OXCAT-9	CATCNV
C-10	OXCAT-10	CATCNV
C-11	OXCAT-11	CATCNV
C-12	OXCAT-12	CATCNV
C-13	OXCAT-13	CATCNV
C-14	OXCAT-14	CATCNV

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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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY (Still Vent BTEX Vapor Combustion)		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY	TO	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY2 (Still Vent BTEX Vapor Combustion)		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO2		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY2	TO2	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY3		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO3		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY3	TO3	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY4		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO4		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY4	TO4	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE (Amine 1 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE	TO	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE2 (Amine 2 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO2		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 2	TO2	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE3 (Amine 3 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO3		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 3	TO3	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE4 (Amine 4 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO4		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 4	TO4	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG2		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG3		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG4		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

Appendix I

TCEQ OP-UA2 & OP-SUM

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

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10003
APD ID Number:	27v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

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

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		C-1	GRP-COMPENG	Compressor Engine 1	Y	A	Standard Permit	144703		
		C-2	GRP-COMPENG	Compressor Engine 2	Y	A	Standard Permit	144703		
		C-3	GRP-COMPENG	Compressor Engine 3	Y	A	Standard Permit	144703		
		C-4	GRP-COMPENG	Compressor Engine 4	Y	A	Standard Permit	144703		
		C-5	GRP-COMPENG	Compressor Engine 5	Y	A	Standard Permit	144703		
		C-6	GRP-COMPENG	Compressor Engine 6	Y	A	Standard Permit	144703		
		C-7	GRP-COMPENG	Compressor Engine 7	Y	A	Standard Permit	144703		
		C-8	GRP-COMPENG	Compressor Engine 8	Y	A	Standard Permit	144703		
		C-9	GRP-COMPENG	Compressor Engine 9	Y	A	Standard Permit	144703		
		C-10	GRP-COMPENG	Compressor Engine 10	Y	A	Standard Permit	144703		
		C-11	GRP-COMPENG	Compressor Engine 11	Y	A	Standard Permit	144703		
		C-12	GRP-COMPENG	Compressor Engine 12	Y	A	Standard Permit	144703		
		C-13	GRP-COMPENG	Compressor Engine 13	Y	A	Standard Permit	144703		
		C-14	GRP-COMPENG	Compressor Engine 14	Y	A	Standard Permit	144703		

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

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

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
GRP-COMPENG	63ZZZZ-COMPENG	AREA	500+	06+			

Go to the Table of Contents

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

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
GRP-COMPENG	60JJJJ-COMPENG	YES	NO	NONE	NO	1350+	NATGAS			CON

Go to the Table of Contents

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

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
GRP-COMPENG	60JJJJ-COMPENG	N0710+		NO			NON		

Go to the Table of Contents

Appendix J

TCEQ OP-UA3, OP-SUM & OP-REQ2

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10008
APD ID Number:	37v1.0
Version Revised Date:	02/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		TK-COND	GRP-COND	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-COND2	GRP-COND2	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-SLOP	GRP-SLOP	Slop Tanks		A	Standard Permit	144703		
		TK-SLOP2	GRP-SLOP2	Slop Tanks		A	Standard Permit	144703		
		TK-MISC	GRP-MISC	Miscellaneous Tanks		A	Standard Permit	144703		
		TK-MISC2	GRP-MISC2	Miscellaneous Tanks		A	Standard Permit	144703		

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-COND	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Modified after December 6, 2022 and subject to NSPS OOOOb.
		GRP-SLOP	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Modified after December 6, 2022 and subject to NSPS OOOOb.
		GRP-COND2	40 CFR Part 60, Subpart	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-SLOP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-COND	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-COND2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-SLOP	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-SLOP2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRP-COND	60Kb-COND	PTCD-BF3	420K-							
GRP-COND2	60Kb-COND2	CRUD-BF3	420K-							
GRP-SLOP	60Kb-SLOP	VOL	20K-40K	NONE	2.2-					
GRP-SLOP2	60Kb-SLOP2	VOL	20K-40K	NONE	2.2-					
GRP-MISC	60Kb-MISC	VOL	20K-40K	NONE	2.2-					
GRP-MISC2	60Kb-MISC	VOL	20K-40K	NONE	2.2-					

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 24a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Subject to Another Regulation	PTE	Compliance Option	Control Option	Control Device ID No.
GRP-COND2	60OOOOa-COND2	15+	NO	6-			
GRP-SLOP2	60OOOOa-SLOP2	15+	NO	6-			

Go to the Table of Contents

Appendix K

TCEQ OP-UA6 & OP-SUM

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	09/2024
Form Number:	10026
APD ID Number:	40v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Boiler/Steam Generator/Steam Generating Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		HMO-HTR		Process Heater		A	Standard Permit	144703		
		HMO-HTR2		Process Heater 2		A	Standard Permit	144703		
		HMO-HTR3		Process Heater 3		A	Standard Permit	144703		
		HMO-HTR4		Process Heater 4		A	Standard Permit	144703		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO2	ACF Option PM	30% Coal Duct Burner
HMO-HTR	60Dc-HTR	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR2	60Dc-HTR2	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR3	60Dc-HTR3	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR4	60Dc-HTR4	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Monitoring Type PM	Monitoring Type SO2 Inlet	Monitoring Type SO2 Outlet	Technology Type	43CE-Option	47C-Option
HMO-HTR	60Dc-HTR	NONE	NONE	NONE	NONE		
HMO-HTR2	60Dc-HTR2	NONE	NONE	NONE	NONE		
HMO-HTR3	60Dc-HTR3	NONE	NONE	NONE	NONE		
HMO-HTR4	60Dc-HTR4	NONE	NONE	NONE	NONE		

Go to the Table of Contents

Appendix L

TCEQ OP-UA7 & OP-SUM & OP-REQ2

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	11/2021
Form Number:	10022
APD ID Number:	41v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Flare Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		FLARE1	GROUP-FLARE	Plant 1 Flare		A	Standard Permit	144703		
		FLARE3	GROUP-FLARE	Plant 2 Flare		A	Standard Permit	144703		
		FLARE4	GROUP-FLARE	Plant 3 Flare		A	Standard Permit	144703		
		FLARE5	GROUP-FLARE	Plant 4 Flare		A	Standard Permit	144703		
		FLARE2	GROUP-FLARE	Truck Loading Flare		A	Standard Permit	144703		
		FLARE6	GROUP-FLARE	Truck Loading2 Flare		A	Standard Permit	144703		
		AGFLARE	GROUPACIDFLARE	Plant 1 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE2	GROUPACIDFLARE	Plant 2 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE3	GROUPACIDFLARE	Plant 3 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE4	GROUPACIDFLARE	Plant 4 Acid Gas Flare		A	Standard Permit	144703		

Flare Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GROUP-FLARE	40 CFR Part 60, Subpart A	§60.18(a)	§60.18(a) does not apply to sources that are not subject to an applicable New Source Performance Standard (NSPS) or other specific regulations that require its use.
		GROUPACIDFLARE	40 CFR Part 60, Subpart A	§60.18(a)	§60.18(a) does not apply to sources that are not subject to an applicable New Source Performance Standard (NSPS) or other specific regulations that require its use.
		GROUP-FLARE	40 CFR Part 63, Subpart A	40 CFR Part 63	The Flares are not subject to any subparts of 40 CFR Part 63.
		GROUPACIDFLARE	40 CFR Part 63, Subpart A	40 CFR Part 63	The Flares are not subject to any subparts of 40 CFR Part 63.

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Unit ID No.	SOP/GOP Index No.	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
GROUP-FLARE	R1111-001	NO	NO			
GROUPACIDFLARE	R1111-001-AG	YES	NO	NO		72+

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
GROUP-FLARE	60A-1N	NO				
GROUPACIDFLARE	60A-1N-AG	NO				

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

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
GROUP-FLARE	63A-1N	NO				
GROUPACIDFLARE	63A-1N-AG	NO				

Go to the Table of Contents

Appendix M

TCEQ OP-UA10 & OP-SUM & OP-REQ2

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	07/2022
Form Number:	10037
APD ID Number:	44v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Process ID No.	Group ID No.	Process Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		PRO-AMINE		Amine Sweetening Unit	Y	A	Standard Permit	144703		
		PRO-AMINE2		Amine Sweetening Unit 2	Y	A	Standard Permit	144703		
		PRO-AMINE3		Amine Sweetening Unit 3	Y	A	Standard Permit	144703		
		PRO-AMINE4		Amine Sweetening Unit 4	Y	A	Standard Permit	144703		

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Process ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		PRO-AMINE2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Subject to NSPS OOOOb
		PRO-AMINE3	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Subject to NSPS OOOOb
		PRO-AMINE	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE2	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE3	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE4	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-001	NO		
PRO-AMINE2	R112-001	NO		
PRO-AMINE3	R112-001	NO		
PRO-AMINE4	R112-001	NO		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions

Process ID No.	SOP/GOP Index No.	Onshore	Construction Date	Acid Gas Vented	Design Capacity
PRO-AMINE	60LLL-1	YES	11+		
PRO-AMINE2	60LLL-1	YES	11+		
PRO-AMINE3	60LLL-1	YES	11+		
PRO-AMINE4	60LLL-1	YES	11+		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Process ID No.	SOP/GOP Index No.	Construction/ Modification Date	Onshore	Facility Type	Design Capacity	Compliance Method	Control Device ID No.
PRO-AMINE	60OOOOa-1	15+	YES	SWEET	2-		
PRO-AMINE4	60OOOOa-1	15+	YES	SWEET	2-		

Go to the Table of Contents

Appendix N

TCEQ OP-UA12 & OP-SUM & OP-REQ2

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10045
APD ID Number:	12v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		FUG	GRP-FUG	Site Fugitives		A	Standard Permit	144703		
		FUG2	GRP-FUG	Site Fugitives 2		A	Standard Permit	144703		
		FUG3	GRP-FUG	Site Fugitives 3		A	Standard Permit	144703		
		FUG4	GRP-FUG	Site Fugitives 4		A	Standard Permit	144703		
		COMP-1	GRP-COMP	Reciprocating Compressor 1		A	Standard Permit	144703		
		COMP-2	GRP-COMP	Reciprocating Compressor 2		A	Standard Permit	144703		
		COMP-3	GRP-COMP	Reciprocating Compressor 3		A	Standard Permit	144703		
		COMP-4	GRP-COMP	Reciprocating Compressor 4		A	Standard Permit	144703		
		COMP-5	GRP-COMP	Reciprocating Compressor 5		A	Standard Permit	144703		
		COMP-6	GRP-COMP	Reciprocating Compressor 6		A	Standard Permit	144703		
		COMP-7	GRP-COMP	Reciprocating Compressor 7		A	Standard Permit	144703		
		COMP-8	GRP-COMP	Reciprocating Compressor 8		A	Standard Permit	144703		
		COMP-9	GRP-COMP	Reciprocating Compressor 9		A	Standard Permit	144703		
		COMP-10	GRP-COMP	Reciprocating Compressor 10		A	Standard Permit	144703		
		COMP-11	GRP-COMP	Reciprocating Compressor 11		A	Standard Permit	144703		
		COMP-12	GRP-COMP	Reciprocating Compressor 12		A	Standard Permit	144703		
		COMP-13	GRP-COMP2	Reciprocating Compressor 13		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		COMP-14	GRP-COMP2	Reciprocating Compressor 14		A	Standard Permit	144703		
		COMP-VRU	GRP-COMP	VRU Reciprocating Compressors		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-FUG	40 CFR Part 60, Subpart OOOO	40 CFR §60.5365	The Facility commence construction/modification after September 18, 2015
		GRP-FUG	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5402a	The Facility is converting all of the plants to NSPS OOOOb and obtaining AMOC approval to use OGI cameras across the board.
		GRP-FUG	40 CFR Part 60, Subpart KKK	40 CFR §60.630(b)	The Facility was constructed after August 23, 2011.
		GRP-COMP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365b	Compressors were installed after December 6, 2022.

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with §60.482-3
GRP-FUG	60KKK-1	GROUP	11+						

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/Modification Date	Reciprocating Compressor	AMEL	Bypass Device
GRP-COMP	60OOOOa-COMP	15+	RC36-	NO	

Go to the Table of Contents

Appendix O

TCEQ OP-UA62 & OP-SUM

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	12/2014
Form Number:	10434
APD ID Number:	96v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Glycol Dehydration Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Emission Point ID No.	Group ID No.	Emission Point Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		DEHY		TEG Dehydration Unit	Y	A	Standard Permit	144703		
		DEHY2		TEG Dehydration Unit 2	Y	A	Standard Permit	144703		
		DEHY3		TEG Dehydration Unit 3	Y	A	Standard Permit	144703		
		DEHY4		TEG Dehydration Unit 4	Y	A	Standard Permit	144703		

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHY	63HH-1	NO		AREA	NTEGU	90-	
DEHY2	63HH-1	NO		AREA	NTEGU	90-	
DEHY3	63HH-1	NO		AREA	NTEGU	90-	
DEHY4	63HH-1	NO		AREA	NTEGU	90-	

Go to the Table of Contents

Appendix P

TCEQ OP-PBRSUP

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
11/07/2025	TBD	RN 109496638

Unit ID No.	Registration No.	PBR No.	Registration Date
FLARE1	156548	106.359	09/10/2013
FLARE3	156548	106.359	09/10/2013
FLARE4	156548	106.359	09/10/2013
FLARE5	156548	106.359	09/10/2013
COMP-BD	156548	106.359	09/10/2013
ENG-SV	156548	106.359	09/10/2013
MAINT	156548	106.359	09/10/2013

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
11/07/2025	TBD	RN 109496638

Unit ID No.	PBR No.	Version No./Date
No claimed PBRs for the application area.		

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
11/07/2025	TBD	RN 109496638

PBR No.	Version No./Date
No claimed PBRs for insignificant sources.	

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
11/07/2025	TBD	RN 109496638

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FLARE1	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE3	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE4	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
FLARE5	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
COMP-BD	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
ENG-SV	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.
MAINT	106.359	156548	Maintain records of all maintenance activities conducted under 30 TAC 106.359, including volume, duration, and date of each event.



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Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1

The data found in the Emission Point ID No. and Group ID No. columns are used to prefill the dropdown menus for the Emission Point ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Emission Point ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Emission Point ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Emission Point ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with Page 1:

The pages contain the unit attribute tables. The Emission Point ID No. dropdown menu is populated with the Emission Point ID No. entered in the OP-SUM Table 1. If a Emission Point ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system Permitting Tools and Guidance for General Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html Permitting Tools and Guidance for Site Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	12/2014
Form Number:	10434
APD ID Number:	96v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
N/A	N/A	OP-SUM Table 1	Yes
N/A	N/A	OP-REQ2	
Table 1a	40 CFR Part 63, Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	Page 1	Yes
Table 1b	40 CFR Part 63, Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	Page 2	
Table 1c	40 CFR Part 63, Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	Page 3	

Glycol Dehydration Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Emission Point ID No.	Group ID No.	Emission Point Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		DEHY		TEG Dehydration Unit	Y	A	Standard Permit	144703		
		DEHY2		TEG Dehydration Unit 2	Y	A	Standard Permit	144703		
		DEHY3		TEG Dehydration Unit 3	Y	A	Standard Permit	144703		
		DEHY4		TEG Dehydration Unit 4	Y	A	Standard Permit	144703		

Glycol Dehydration Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Emission Point ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHY	63HH-1	NO		AREA	NTEGU	90-	
DEHY2	63HH-1	NO		AREA	NTEGU	90-	
DEHY3	63HH-1	NO		AREA	NTEGU	90-	
DEHY4	63HH-1	NO		AREA	NTEGU	90-	

Go to the Table of Contents

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Emission Point ID No.	SOP/GOP Index No.	Process Vent Control	Bypass Device	Flow Indicator	Sealed Closed Vent System	Unsafe to Inspect	Difficult to Inspect

Go to the Table of Contents

Glycol Dehydration Unit Attributes
Form OP-UA62
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Emission Point ID No.	SOP/GOP Index No.	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis

Go to the Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form Tables include a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the form as needed. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.

Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. **Table of Contents**

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

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To use the Table of Contents filter(s):
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-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1

The data found in the Unit ID No. and Group ID No. columns are used to prefill the dropdown menus for the Unit ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-SUM Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin2_forms.html

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Unit ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Unit ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-SUM form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

OP-REQ2 Instructions can be found at the link below
https://www.tceq.texas.gov/permitting/air/forms/titlev/potential_requirements/tv_op_reqs_forms.html

Pages begin with Page 1:

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The pages contain the unit attribute tables. The Unit ID No. dropdown menu is populated with the Unit ID No. entered in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA attribute data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

UA Form Instructions can be found at the link below:
https://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html

Website Links:

Decision Support System:
https://www.tceq.texas.gov/permitting/air/nav/air_supportsys.html

TCEQ Regional Offices:
http://www.tceq.texas.gov/agency/directory/region

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	11/2021
Form Number:	10022
APD ID Number:	41v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
N/A	N/A	OP-SUM Table 1	Yes
N/A	N/A	OP-REQ2	Yes
Table 1	30 TAC Chapter 111, Control of Air Pollution from Visible Emissions and Particulate Matter	Page 1	Yes
Table 2	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 2	
Table 3	40 CFR Part 60 and 40 CFR Part 61, Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants	Page 3	Yes
Table 4	40 CFR Part 63, Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories	Page 4	Yes
Table 5a	30 TAC Chapter 115, Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control	Page 5	
Table 5b	30 TAC Chapter 115, Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control	Page 6	
Table 6	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 7	

Flare Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		FLARE1	GROUP-FLARE	Plant 1 Flare		A	Standard Permit	144703		
		FLARE3	GROUP-FLARE	Plant 2 Flare		A	Standard Permit	144703		
		FLARE4	GROUP-FLARE	Plant 3 Flare		A	Standard Permit	144703		
		FLARE5	GROUP-FLARE	Plant 4 Flare		A	Standard Permit	144703		
		FLARE2	GROUP-FLARE	Truck Loading Flare		A	Standard Permit	144703		
		FLARE6	GROUP-FLARE	Truck Loading2 Flare		A	Standard Permit	144703		
		AGFLARE	GROUPACIDFLARE	Plant 1 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE2	GROUPACIDFLARE	Plant 2 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE3	GROUPACIDFLARE	Plant 3 Acid Gas Flare		A	Standard Permit	144703		
		AGFLARE4	GROUPACIDFLARE	Plant 4 Acid Gas Flare		A	Standard Permit	144703		

Flare Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GROUP-FLARE	40 CFR Part 60, Subpart A	§60.18(a)	§60.18(a) does not apply to sources that are not subject to an applicable New Source Performance Standard (NSPS) or other specific regulations that require its use.
		GROUPACIDFLARE	40 CFR Part 60, Subpart A	§60.18(a)	§60.18(a) does not apply to sources that are not subject to an applicable New Source Performance Standard (NSPS) or other specific regulations that require its use.
		GROUP-FLARE	40 CFR Part 63, Subpart A	40 CFR Part 63	The Flares are not subject to any subparts of 40 CFR Part 63.
		GROUPACIDFLARE	40 CFR Part 63, Subpart A	40 CFR Part 63	The Flares are not subject to any subparts of 40 CFR Part 63.

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Unit ID No.	SOP/GOP Index No.	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
GROUP-FLARE	R1111-001	NO	NO			
GROUPACIDFLARE	R1111-001-AG	YES	NO	NO		72+

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

This table has been retired as of 06/01/2000. All questions relating to the applicability of 30 TAC Chapter 117, Subchapter B: Commercial, Institutional, and Industrial Sources (to flares), are contained on Form OP-REQ1.

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
GROUP-FLARE	60A-1N	NO				
GROUPACIDFLARE	60A-1N-AG	NO				

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

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
GROUP-FLARE	63A-1N	NO				
GROUPACIDFLARE	63A-1N-AG	NO				

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control

Unit ID No.	SOP Index No.	Out of Service	Total Gas Stream	Gas Stream Concentration	Exempt Date	Alternative Monitoring Approach	Modifications to Testing/ Monitoring	Modifications to Testing/ Monitoring ID No.	Flare Type

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control

Unit ID No.	SOP Index No.	Monitoring Requirements	§115.725(e) Requirements	Multi-Purpose Usage	Flow Rate	Physical Seal	Monitoring Option	§115.725(h)(4) Alternative	Tank Service

Go to the Table of Contents

Flare Attributes
Form OP-UA7
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 6: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Flare Applicability	Operating Limits	AMEL ID No.	Flare Tip Velocity	Perimeter Assist Air

Go to the Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1
and OP-SUM Table 2

The data found in the Unit ID No. and Group ID No. columns are used to prefill the dropdown menus for the Unit ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Unit ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Unit ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with Page 1:

The pages contain the unit attribute tables. The Unit ID No. dropdown menu is populated with the Unit ID No. entered in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System:
https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system
Permitting Tools and Guidance for General Operating Permits
https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html
Permitting Tools and Guidance for Site Operating Permits
https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	09/2024
Form Number:	10026
APD ID Number:	40v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
N/A	N/A	OP-SUM Table 1	Yes
N/A	N/A	OP-SUM Table 2	
N/A	N/A	OP-REQ2	
Table 1a	40 CFR Part 60, Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators	Page 1	
Table 1b	40 CFR Part 60, Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators	Page 2	
Table 2a	40 CFR Part 60, Subpart Da: Standards of Performance for Electric Utility Steam Generating Units	Page 3	
Table 2b	40 CFR Part 60, Subpart Da: Standards of Performance for Electric Utility Steam Generating Units	Page 4	
Table 2c	40 CFR Part 60, Subpart Da: Standards of Performance for Electric Utility Steam Generating Units	Page 5	
Table 3a	40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Page 6	
Table 3b	40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Page 7	
Table 3c	40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Page 8	
Table 3d	40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Page 9	
Table 3e	40 CFR Part 60, Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	Page 10	
Table 4a	40 CFR Part 60, Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Page 11	Yes
Table 4b	40 CFR Part 60, Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Page 12	Yes
Table 5a	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 13	
Table 5b	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 14	
Table 5c	30 TAC Chapter 117, Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas	Page 15	
Table 6a	30 TAC Chapter 117, Subchapter C: Combustion Control at Major Utility Electric Generation Sources in Ozone Nonattainment Areas	Page 16	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
Table 6b	30 TAC Chapter 117, Subchapter C: Combustion Control at Major Utility Electric Generation Sources in Ozone Nonattainment Areas	Page 17	
Table 7	30 TAC Chapter 112, Subchapters A-D: Control of Air Pollution from Sulfur Compounds	Page 18	
Table 8a	30 TAC Chapter 113, Subchapter D: Hospital/Medical/Infectious Waste Incinerators	Page 19	
Table 8b	30 TAC Chapter 113, Subchapter D: Hospital/Medical/Infectious Waste Incinerators	Page 20	
Table 8c	30 TAC Chapter 113, Subchapter D: Hospital/Medical/Infectious Waste Incinerators	Page 21	
Table 9a	30 TAC Chapter 117, Subchapter E, Division 1: Utility Electric Generation in East and Central Texas	Page 22	
Table 9b	30 TAC Chapter 117, Subchapter E, Division 1: Utility Electric Generation in East and Central Texas	Page 23	
Table 10a	40 CFR Part 63, Subpart EEE: Hazardous Waste Combustors	Page 24	
Table 10b	40 CFR Part 63, Subpart EEE: Hazardous Waste Combustors	Page 25	
Table 11	30 TAC Chapter 111, Subchapter A, Division 2: Incineration	Page 26	
Table 12	30 TAC Chapter 111, Subchapter A, Division 5: Emission Limits on Nonagricultural Processes	Page 27	
Table 13a	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 28	
Table 13b	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 29	
Table 13c	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 30	
Table 13d	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 31	
Table 13e	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 32	
Table 13f	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 33	
Table 13g	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 34	
Table 13h	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 35	
Table 13i	40 CFR Part 63, Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units	Page 36	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
Table 14a	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 37	
Table 14b	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 38	
Table 14c	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 39	
Table 14d	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 40	
Table 14e	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 41	
Table 14f	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 42	
Table 14g	40 CFR Part 63, Subpart DDDDD: Industrial, Commercial, and Institutional Boilers	Page 43	
Table 15a	40 CFR Part 60, Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units	Page 44	
Table 15b	40 CFR Part 60, Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units	Page 45	

Boiler/Steam Generator/Steam Generating Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		HMO-HTR		Process Heater		A	Standard Permit	144703		
		HMO-HTR2		Process Heater 2		A	Standard Permit	144703		
		HMO-HTR3		Process Heater 3		A	Standard Permit	144703		
		HMO-HTR4		Process Heater 4		A	Standard Permit	144703		

Boiler/Steam Generator/Steam Generating Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 2: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO2 Trading Program

Unit AI	Revision No.	Unit ID No.	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO2	Texas SO2 Monitoring	COR

Boiler/Steam Generator/Steam Generating Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Alternate 43D	Alternate 44F	Flue Gas Desulfurization	SO2 Monitoring	Cyclone-Fired Unit	NOX Monitoring Type

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Da: Standards of Performance for Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input of Fossil Fuel	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Changes to Existing Affected Facility	Percent (%) Coal Refuse	Combined Cycle Type	PM Commercial Demonstration Permit	PM Standard Basis

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Da: Standards of Performance for Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	NOx IGCC Standard	MACT Applicability	Unit Type	PM Monitoring Type	Opacity Monitoring Type	SO2 Monitoring Type	NOx Monitoring Type	SO2 Commercial Demonstration Permit	SO2 Emission Rate	FGD

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Da: Standards of Performance for Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	SO2 Standard Basis	NOx Comm. Dem. Permit	Alt. Stds. for Comb. NOx and CO	NOx Standard Basis	Duct Burner	PM Flow Monitoring System	SO2 Flow Monitoring System	NOX Flow Monitoring System

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, AAAA, or CCCC

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Subpart KKKK	Subpart Cb or BBBB	Temporary Boiler

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	Subpart D	Additional Applicability Requirement	ACF Option SO2	ACF Option PM	ACF Option NOX

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	60.42b (k)(2) Low Sulfur Exemption	60.42b (k)(4) Alternative	Post-Combustion Control	60.43b(h)(2) Alternative	Electrical or Mechanical Output	Output Based Limit	60.49 Da(n) Alternative	60.49 Da(m) Alternative

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Residual Oil Sampling	Monitoring Type PM	Monitoring Type PM (Opacity)	Monitoring Type NOX	Monitoring Type SO2	Technology Type	Unit Type	Heat Release Rate	Heat Input Gas/Oil	Heat Input Wood	Fuel Heat Input

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Gene

Unit ID No.	SOP Index No.	Alternate Emission Limit (AEL)

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

rating Units

AEL ID. NO.

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO2	ACF Option PM	30% Coal Duct Burner
HMO-HTR	60Dc-HTR	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR2	60Dc-HTR2	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR3	60Dc-HTR3	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
HMO-HTR4	60Dc-HTR4	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Unit ID No.	SOP Index No.	Monitoring Type PM	Monitoring Type SO2 Inlet	Monitoring Type SO2 Outlet	Technology Type	43CE-Option	47C-Option
HMO-HTR	60Dc-HTR	NONE	NONE	NONE	NONE		
HMO-HTR2	60Dc-HTR2	NONE	NONE	NONE	NONE		
HMO-HTR3	60Dc-HTR3	NONE	NONE	NONE	NONE		
HMO-HTR4	60Dc-HTR4	NONE	NONE	NONE	NONE		

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Unit Type	MRC	RACT Date Placed in Service	Functionally Identical Replacement	Fuel Type	Fuel Type	Fuel Type	Annual Heat Input

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	NOX Emission Limitation	Opt-In Unit	23C-Option	Title 30 TAC Chapter 116 Permit Limit	EGF System Cap Unit	NOX Emission Limit Average	NOX Reduction	Common Stack Combined

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Fuel Type Heat Input	NOX Monitoring System	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH3 Emission Limitation	NH3 Emission Monitoring

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 6a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter C: Combustion Control at Major Utility Electric Generation Sources in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Date Placed in Service	Functionally Identical Replacement	Annual Heat Input	Service Type	Fuel Type	Fuel Type	Fuel Type	RACT NOx Emission Limitation	ESAD NOx Emission Limitation	EGF

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 6b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter C: Combustion Control at Major Utility Electric Generation Sources in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Fuel Firing Option	ESAD NOx DFW 8-Hour	NOx Monitoring System	Title 30 TAC Chapter 116 Permit Limit	CO Emission Limitation	CO Monitoring System	Ammonia Use	NH3 Emission Limitation	NH3 Monitoring System

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Subchapters A-D: Control of Air Pollution from Sulfur Compounds

Unit ID No.	SOP Index No.	Fuel Type	Date of Operation	Heat Input	Control Equipment	FCAA § 412(c)	Stack Height

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8a: Title 30 Texas Administrative Code Chapter 113 (30 TAC Chapter 113)
Subchapter D: Hospital/Medical/Infectious Waste Incinerators

Unit ID No.	SOP Index No.	Construction Date	Combustor Type	Type of Waste	Co-Fired Combustor	HMIWI Size	Control Device	PM CEMS	Opacity Monitoring	Approved Equivalent ID No.

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8b: Title 30 Texas Administrative Code Chapter 113 (30 TAC Chapter 113)
Subchapter D: Hospital/Medical/Infectious Waste Incinerators

Unit ID No.	SOP Index No.	Commercial Unit	CO Monitoring	Approved Equivalent ID No.	Dioxins/ Furans CEMS	Toxic Equivalent Method	HCL CEMS	HCL Percentage Reduction Method

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8c: Title 30 Texas Administrative Code Chapter 113 (30 TAC Chapter 113)
Subchapter D: Hospital/Medical/Infectious Waste Incinerators

Unit ID No.	SOP Index No.	Pb CEMS	Pb % Reduction Method	Cd CEMS	Cd % Reduction Method	Hg CEMS	Hg % Reduction Method

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E, Division 1: Utility Electric Generation in East and Central Texas

Unit ID No.	SOP Index No.	Date Placed in Service	Unit Exempt	Location	Capacity	30% of the Maximum	Firing Method

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E, Division 1: Utility Electric Generation in East and Central Texas

Unit ID No.	SOP Index No.	NOx Emission Limitation	Fuel	NOx Monitoring	Maximum Emission Rate	Ammonia Use	NH3 Emission Limitation	Ammonia Monitoring

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEE: Hazardous Waste Combustors

Unit ID No.	SOP Index No.	Type Fuel	Existing Source	Area Source	Elective Standards	Dioxin/Furan Standard	Heating Value	Hg Feedrate

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEE: Hazardous Waste Combustors

Unit ID No.	SOP Index No.	Alt Metals	Met Feedrate	CO/THC Standard	Baghouse	PM Detection	Dioxin-Listed	DRE Previous Test	Feed Zone

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A, Division 2: Incineration

Unit ID No.	SOP Index No.	Hazardous Waste	Monitor

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A, Division 5: Emission Limits on Nonagricultural Processes

Unit ID No.	SOP Index No.	Source Type

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	§63.9983(a)	§63.9983(b)	§63.9983(c)	§63.9983(d)	Limited-use Liquid	Construction Status

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Start-Up	Unit Fuel	Pollutant-a	Syngas	PM-Input	TOTHAP-Input

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Sb-Input	As-Input	Be-Input	Cd-Input	Cr-Input	Co-Input

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Pb-Input	Mn-Input	Ni-Input	Se-Input	Hg-Input-a	Pollutant-b

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	HCl-Input	SO2-Input	Hg-Input-c	Hg-LEE Test	HF-Input	Scrubber/Bypass	PM-LEE

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	TOTHAP-LEE	Sb-LEE	As-LEE	Be-LEE	Cd-LEE	Cr-LEE

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Co-LEE	Pb-LEE	Mn-LEE	Ni-LEE	Se-LEE	Hg-LEE-a

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	HCl-LEE	SO2-LEE	Hg-LEE-c	HF-LEE	Startup

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart UUUUU: Coal- and Oil-Fired Electric Utility Steam Generating Units

Unit ID No.	SOP Index No.	Compliance Demo	Stack Config	O2-CO2 CEMS	Flow Monitor	Gas Moisture	Direct HAP

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	HCl-CD	HCl-Test	HCl-FA	HCl-FloMon	HCl-pHMon

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	Hg Emission	Hg-InjRate	Hg-CMS	Hg-CD	Hg-Test	Hg-FA

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	BM Subcategory	PM/TSM Emission	TSM-CMS	TSM-Test	TSM-FA

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	PM-250	PM-CMS	PM-CD	PM-Test	PM-FM	PM-PMON

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	Opacity-CD	COMS	OPT-Test

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers

Unit ID No.	SOP/GOP Index No.	SFF Subcategory	CO Emission	CO-CMS	CO-Test

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units

Unit ID No.	SOP Index No.	Unit Type	Construction/ Modification Date	Base Load Rating	Commercial Operation Date	Emissions Reporting Date	Acid Rain Program

Go to the Table of Contents

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart TTTT: Standards of Performance for Greenhouse Gas Emissions for Electric Utility Generating Units

Unit ID No.	SOP Index No.	CO2 Capture	CO2 Transfer	Monitoring	Common Stack	Multiple Stacks	Common Electric Generator

Go to the Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1

The data found in the Unit ID No. and Group ID No. columns are used to prefill the dropdown menus for the Unit ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Unit ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Unit ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with **Page 1:**

The pages contain the unit attribute tables. The Unit ID No. dropdown menu is populated with the Unit ID No. entered in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system Permitting Tools and Guidance for General Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html Permitting Tools and Guidance for Site Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10008
APD ID Number:	37v1.0
Version Revised Date:	02/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
N/A	N/A	OP-SUM Table 1
N/A	N/A	OP-REQ2
Table 1	40 CFR Part 60, Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids	Page 1
Table 2	40 CFR Part 60, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids	Page 2
Table 3	40 CFR Part 60, Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)	Page 3
Table 4a	30 TAC Chapter 115, Subchapter B: Storage of Volatile Organic Compounds (VOCs)	Page 4
Table 4b	30 TAC Chapter 115, Subchapter B: Storage of Volatile Organic Compounds (VOCs)	Page 5
Table 5	40 CFR Part 63, Subpart R: National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Page 6
Table 6	40 CFR Part 61, Subpart Y: National Emission Standards for Benzene Emissions from Benzene Storage Vessels	Page 7
Table 7	40 CFR Part 63, Subpart OO: National Emission Standards for Tanks - Level 1	Page 8
Table 8a	40 CFR Part 63, Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations	Page 9
Table 8b	40 CFR Part 63, Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations	Page 10
Table 8c	40 CFR Part 63, Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations	Page 11
Table 8d	40 CFR Part 63, Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations	Page 12
Table 9a	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels	Page 13
Table 9b	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels	Page 14

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 10a	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 15
Table 10b	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 16
Table 10c	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 17
Table 10d	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 18
Table 11a	40 CFR Part 61, Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants	Page 19
Table 11b	40 CFR Part 61, Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants	Page 20
Table 12a	40 CFR Part 61, Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)	Page 21
Table 12b	40 CFR Part 61, Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)	Page 22
Table 12c	40 CFR Part 61, Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)	Page 23
Table 13a	40 CFR Part 60, Subpart QQQ: Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	Page 24
Table 13b	40 CFR Part 60, Subpart QQQ: Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	Page 25
Table 14a	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater	Page 26
Table 14b	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater	Page 27
Table 14c	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater	Page 28
Table 14d	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater	Page 29
Table 14e	40 CFR Part 63, Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater	Page 30
Table 15a	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 31

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 15b	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 32
Table 15c	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 33
Table 16a	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 34
Table 16b	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 35
Table 17a	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Storage Vessels	Page 36
Table 17b	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Storage Vessels	Page 37
Table 18a	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater	Page 38
Table 18b	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater	Page 39
Table 18c	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater	Page 40
Table 18d	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater	Page 41
Table 18e	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater	Page 42
Table 19a	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels	Page 43
Table 19b	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels	Page 44
Table 19c	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels	Page 45
Table 20a	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater	Page 46

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 20b	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater	Page 47
Table 20c	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater	Page 48
Table 20d	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater	Page 49
Table 20e	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater	Page 50
Table 21a	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 51
Table 21b	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 52
Table 21c	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 53
Table 21d	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 54
Table 21e	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 55
Table 21f	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels	Page 56
Table 22a	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Wastewater	Page 57
Table 22b	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Wastewater	Page 58
Table 22c	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Wastewater	Page 59

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 22d	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Wastewater	Page 60
Table 22e	40 CFR Part 63, Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Wastewater	Page 61
Table 23a	40 CFR Part 63, Subpart CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	Page 62
Table 23b	40 CFR Part 63, Subpart CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	Page 63
Table 24a	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 64
Table 24b	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 65
Table 25a	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 66
Table 25b	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 67
Table 26a	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 68
Table 26b	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 69
Table 27a	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 70
Table 27b	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 71
Table 28a	40 CFR Part 63, Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	Page 72
Table 28b	40 CFR Part 63, Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	Page 73

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 28c	40 CFR Part 63, Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	Page 74
Table 29a	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distributions (Non-Gasoline)	Page 75
Table 29b	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distributions (Non-Gasoline)	Page 76
Table 29c	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distributions (Non-Gasoline)	Page 77

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted
Yes
Yes
Yes

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

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Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

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Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

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Yes

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		TK-COND	GRP-COND	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-COND2	GRP-COND2	6 Stabilized Condensate Tanks		A	Standard Permit	144703		
		TK-SLOP	GRP-SLOP	Slop Tanks		A	Standard Permit	144703		
		TK-SLOP2	GRP-SLOP2	Slop Tanks		A	Standard Permit	144703		
		TK-MISC	GRP-MISC	Miscellaneous Tanks		A	Standard Permit	144703		
		TK-MISC2	GRP-MISC2	Miscellaneous Tanks		A	Standard Permit	144703		

Storage Tank/Vessel Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-COND	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Modified after December 6, 2022 and subject to NSPS OOOOb.
		GRP-SLOP	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5360a(a)	Modified after December 6, 2022 and subject to NSPS OOOOb.
		GRP-COND2	40 CFR Part 60, Subpart	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-SLOP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(e)(1)	The storage vessels have VOC emissions below 6 tpy.
		GRP-COND	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-COND2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(d)(4)	Storage vessel capacity is less than 420,000 gallons.
		GRP-SLOP	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-SLOP2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.
		GRP-MISC2	40 CFR Part 60, Subpart Kb	40 CFR §60.110b(b)	Storage vessel TVP is below 2.2 psia.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	True Vapor Pressure	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRP-COND	60Kb-COND	PTCD-BF3	420K-							
GRP-COND2	60Kb-COND2	CRUD-BF3	420K-							
GRP-SLOP	60Kb-SLOP	VOL	20K-40K	NONE	2.2-					
GRP-SLOP2	60Kb-SLOP2	VOL	20K-40K	NONE	2.2-					
GRP-MISC	60Kb-MISC	VOL	20K-40K	NONE	2.2-					
GRP-MISC2	60Kb-MISC	VOL	20K-40K	NONE	2.2-					

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart R: National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)

Unit ID No.	SOP Index No.	Storage Capacity	Alternate Means of Emission Limitation	AMEL ID No.	Storage Vessel Description	AMOC ID No.	Control Device ID No.	Subject to NSPS Kb	EFR Not Meeting §63.423(a) Requirements

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart Y: National Emission Standards for Benzene Emissions from Benzene Storage Vessels

Unit ID No.	SOP Index No.	Tank Type	Storage Capacity	Stringency	Alternate Means of Emission Limitation	AMEL ID No.	Tank Description	Control Device Type	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart OO: National Emission Standards for Tanks - Level 1

Unit ID No.	SOP Index No.	Subject to 40 CFR Part 60, 61, or 63	Closed Vent System and Control Device	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Unit ID No.	SOP Index No.	Subject to Another Subpart of 40 CFR Part 61 or 63	HAP < 1 MG Per Year	Numerical Concentration Limits	Treated Organic Hazardous Constituents	Air Emission Controls	Direct Measurement	Biological Treatment	Efficiency ≥ 95%

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Unit ID No.	SOP Index No.	Bulk Feed	Existing Source	Tank Emissions Control	Level 2 Controls	Closed Vent System	Tank Type	Inspected and Monitored	Bypass Device	Flow Meter	Design Analysis

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Unit ID No.	SOP Index No.	No Detectable Organic Emissions	Control Device Type	Control Device ID No.	Alternative Operating Parameters	AOP ID No.	HAP Recovery	Regenerable Carbon Adsorber	Complying with §63.693(d)(4)(iii)	Exhaust Stream Temp Monitor

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Unit ID No.	SOP Index No.	HAP Destruction	Organic Monitoring Device	Meets 40 CFR §63.693(f)(1)(iii)	95% HAP Destruction	BPH TOC Destruction	95% TOC Destruction	Meets 40 CFR §63.693(g)(1)(iii)	Introduced with Fuel	Continuous Temperature Monitoring System

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels

Unit ID No.	SOP Index No.	MACT Subpart F/G Applicability	NESHAP Subpart Y Applicability	NSPS Subpart Kb Applicability	Maximum TVP	Emission Control Type	AMOC ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels

Unit ID No.	SOP Index No.	Seal Type	Closed Vent System	Hard Piping	Bypass Lines	Control Device Type	Control Device ID No.	Control Device Design	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Specified in 40 CFR §63.640(g) (1)-(6)	Subject to 40 CFR Part 63, Subparts F, G, H, or I	Group 1 Storage Vessel	Group 1 Applicability	Group 2 Applicability	Storage Vessel Description	Reid Vapor Pressure	Estimated TVP

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Product Stored	Storage Capacity	Maximum TVP	Storage Vessel Description	Reid Vapor Pressure	Tank Description	Control Device Type	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	True Vapor Pressure	Emission Standard	WW Tank Control	Unslotted Guidepole	Slotted Guidepole	Slotted Ladder	Seal Configuration	Inspection Requirement

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Control Device Type	Control Device ID No.	Meets §63.985(b)(2)	Prior Eval	Assessment Waiver	Assessment Waiver ID	Prior Test	Negative Pressure	Bypass Line

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants

Unit ID No.	SOP Index No.	Initial Startup Date	Alternate Means of Emission Limitation	AMEL ID No.	Furnace or Foundry

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants

Unit ID No.	SOP Index No.	Title 40 CFR §61.132(a)(2)(i) Devices	Open to Atmosphere	Alternative Control Device	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Unit ID No.	SOP Index No.	Waste Treatment Tank	Alternative Standards for Tanks	Kb Tank Type	AMEL ID No.	Seal Type	Alternate Means of Compliance	AMOC ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Unit ID No.	SOP Index No.	Tank Control Requirements	Fuel Gas System	Closed Vent System And Control Device	Cover and Closed Vent	Closed Vent System And Control Device AMOC	CVS/CD AMOC ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Unit ID No.	SOP Index No.	Bypass Line	Bypass Line Valve	Control Device Type/Operation	Control Device ID No.	Engineering Calculations	Alternate Monitoring Parameters	Carbon Replacement Interval

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart QQQ: Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems

Unit ID No.	SOP Index No.	Construction/ Modification Date	Alternate Means of Emission Limitation	AMEL ID No.	Alternative Standard	Subject to 40 CFR Part 60, Subpart K, Ka, or Kb

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart QQQ: Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems

Unit ID No.	SOP Index No.	Control Device Type	Control Device ID No.	Alternative Monitoring	Regenerate On-site

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater

Unit ID No.	SOP Index No.	Process Wastewater	Meets 40 CFR §63.149(d)	Sparged	Emission Routing	Installed Before 12/31/92

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater

Unit ID No.	SOP Index No.	Closed Vent System	Bypass Lines	Control Device Type	Control Device ID No.	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater

Unit ID No.	SOP Index No.	Wastewater Tank Usage	Wastewater Tank Properties	Designated Group 1	Emission Control Type	EEL ID No.	New Source

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater

Unit ID No.	SOP Index No.	Negative Pressure	Closed Vent System	Bypass Lines	Combination of Control Devices	Control Device Type	Control Device ID No.	Compliance with 40 CFR §63.139(c)(1)	Alternate Monitoring Parameters	AMP ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Wastewater

Unit ID No.	SOP Index No.	Regeneration	Performance Test	95% Reduction Efficiency	Monitoring Options	Continuous Monitoring	Continuous Monitoring Alternative ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

This table has been retired. Applicability determinations on other tables in this form may be necessary. Please see instructional notes under the placeholders for Table 15 in the form instructions for information on submitting attributes for wastewater tanks subject to 40 CFR Part 63, Subpart CC.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

This table has been retired. Applicability determinations on other tables in this form may be necessary. Please see instructional notes under the placeholders for Table 15 in the form instructions for information on submitting attributes for wastewater tanks subject to 40 CFR Part 63, Subpart CC.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

This table has been retired. Applicability determinations on other tables in this form may be necessary. Please see instructional notes under the placeholders for Table 15 in the form instructions for information on submitting attributes for wastewater tanks subject to 40 CFR Part 63, Subpart CC.

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	Subject to Another Regulation	Vessel Type	Bypass Device	Flow Indicator	Unsafe to Inspect

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Difficult to Inspect	Sealed Closed Vent System	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Storage Vessels

Unit ID No.	SOP Index No.	Vessel Type	Group 1 Vessel	Maximum TVP	Emission Control Type	AMOC ID No.	Seal Type

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Storage Vessels

Unit ID No.	SOP Index No.	Closed Vent System	Hard Piping	Bypass Lines	Control Device Type	Control Device ID No.	Control Device Design	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Process Wastewater	Meets 40 CFR §63.149(d)	Sparged	Emission Routing	Installed Before 6/12/95

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Closed Vent System	Bypass Lines	Control Device Type	Control Device ID No.	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Wastewater Tank Usage	Wastewater Tank Properties	Emission Control Type	EEL ID No.	Closed Vent System	Bypass Lines

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Combination of Control Devices	Control Device Type	Control Device ID No.	Compliance with 40 CFR §63.139(c)(1)	Alternate Monitoring Parameters	AMP ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Regenerate On-site	Performance Test	95% Reduction Efficiency	Monitoring Options	Alternate Monitoring System	Alternate Monitoring ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels

Unit ID No.	SOP Index No.	Vessel Type	Group 1 Vessel	Alternative Means of Control	AMOC ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels

Unit ID No.	SOP Index No.	Construction/ Modification Date	TPPU Product	Storage Vessel Capacity	Vapor Pressure	Maximum HAP TVP	Emission Control Type	Seal Type

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels

Unit ID No.	SOP Index No.	Closed Vent System	Hard Piping	Bypass Lines	Control Device Type	Control Device ID No.	Control Device Design	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Process Wastewater	Meets 40 CFR §63.149(d)	Sparged	Emission Routing	Installed Before 3/29/95

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Closed Vent System	Bypass Lines	Control Device Type	Control Device ID No.	Design Evaluation Submitted

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Wastewater Tank Usage	Wastewater Tank Properties	Emission Control Type	EEL ID No.	Closed Vent System	Bypass Lines

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Combination of Control Devices	Control Device Type	Control Device ID No.	Compliance with 40 CFR §63.139(c)(1)	Alternate Monitoring Parameters	AMP ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater

Unit ID No.	SOP Index No.	Regenerate On-site	Performance Test	95% Reduction Efficiency	Monitoring Options	Alternate Monitoring System	Alternate Monitoring ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21a: 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, Storage Vessels

Unit ID No.	SOP Index No.	Emission Standard	Comb Device	95% Scrubber	PERF Test	Negative Pressure	Bypass Line

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21b: 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, Storage Vessels

Unit ID No.	SOP Index No.	Barge	Offsite	Other Part 63

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21c: 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, Storage Vessels

Unit ID No.	SOP Index No.	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Negative Pressure	Bypass Line

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21d: 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, Storage Vessels

Unit ID No.	SOP Index No.	WW Tank Control	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21e: 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, Storage Vessels

Unit ID No.	SOP Index No.	Alt 63SS Mon Parameters	CEMS	SS Device Type	Meets 63.988(b)(2)	Water	Designated HAL

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21f: 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, Storage Vessels

Unit ID No.	SOP Index No.	Determined HAL	HAL Device Type	Prior Test	Test Waiver	Formaldehyde	Negative Pressure	Bypass Line

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22a: 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, Wastewater

Unit ID No.	SOP Index No.	Process Wastewater	Meets 40 CFR §63.149(d)	Sparged	Emission Routing	Installed Before 12/31/92

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22b: 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, Wastewater

Unit ID No.	SOP Index No.	Closed Vent System	Bypass Lines	Control Device Type	Control Device ID No.	Design Evaluation Submitted	Halogenated	Halogen Reduction

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22c: 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, Wastewater

Unit ID No.	SOP Index No.	Wastewater Tank Usage	Wastewater Tank Properties	Emission Control Type	EEL ID No.	Closed Vent System	Bypass Lines

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22d: 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, Wastewater

Unit ID No.	SOP Index No.	Combination of Control Devices	Control Devices	Control Device ID No.	Compliance With 40 CFR §63.139(c)(1)	Halogenated	Halogen Reduction	Alt 63G Mon Parameters	AMP ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22e: 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, Wastewater

Unit ID No.	SOP Index No.	Regeneration	Performance Tests	2485(h)(3)	95% Performance Tests	Monitoring Options

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

Unit ID No.	SOP Index No.	Monthly Throughput	Capacity	Fill Pipe	Installed	Submerged Fill

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

Unit ID No.	SOP Index No.	Floating Roof	Constructed	GDF Compliance	Vapor Balance	Leak Rate	Static Pressure

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 24a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Subject to Another Regulation	PTE	Compliance Option	Control Option	Control Device ID No.
GRP-COND2	60OOOOa-COND2	15+	NO	6-			
GRP-SLOP2	60OOOOa-SLOP2	15+	NO	6-			

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 24b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Product Stored	Reid Vapor Pressure	Combustion Device Compliance Option	Performance Test	Bypass Device

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 25a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Compliance Subject to Another Subpart	Potential to Emit	Storage Capacity	Compliance Option	Group Type	Control Option	Control Device ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 25b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Product Stored	Reid Vapor Pressure	Combustion Device Compliance Option	Performance Test	Bypass Device

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 26a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 26b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Control Device	Control Device ID No.	Alternative Work Practice Standards	Alternative Work Practice Standards ID No.	Design Evaluation	Bypass Device	Continuous Emissions Monitoring System	CVSCD Continuous Compliance

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 27a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Control Requirement Exemptions	Alternate Control Requirement	ACR ID No.

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 27b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Storage Tank Description	Control Option	Control Device ID No.	Bypass Device	Unsafe to Monitor	Difficult to Monitor

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 28a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Unit ID No.	SOP Index No.	Source Type	Subject to MACT Subpart CCCCCC	Surge Control Tank	Fill Pipe	Installed

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 28b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Unit ID No.	SOP Index No.	Storage Capacity	Throughput	Tank Description	Closure Device	Guidepole

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 28c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Unit ID No.	SOP Index No.	Performance Test	Alternative Operating Parameter	Operating Parameter Value	Vapor Processing System Type	Operating Parameter Monitoring

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 29a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP/GOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement	Construction Date

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 29b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Storage Capacity	Vapor Pressure	Combination of Control Devices	Control Device	Control Device ID No.	Table 3 Compliance	Performance Test	Continuous Monitoring System

Go to the Table of Contents

Storage Tank/Vessel Attributes
Form OP-UA3
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 29c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Negative Pressure	Bypass Line

Go to the Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1
and OP-SUM Table 2

The data found in the Unit ID No. and Group ID No. columns are used to prefill the dropdown menus for the Unit ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Unit ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Unit ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with Page 1:

The pages contain the unit attribute tables. The Unit ID No. dropdown menu is populated with the Unit ID No. entered in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System:
https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system
Permitting Tools and Guidance for General Operating Permits
https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html
Permitting Tools and Guidance for Site Operating Permits
https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

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

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10003
APD ID Number:	27v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

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

Table of Contents

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

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

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		C-1	GRP-COMPENG	Compressor Engine 1	Y	A	Standard Permit	144703		
		C-2	GRP-COMPENG	Compressor Engine 2	Y	A	Standard Permit	144703		
		C-3	GRP-COMPENG	Compressor Engine 3	Y	A	Standard Permit	144703		
		C-4	GRP-COMPENG	Compressor Engine 4	Y	A	Standard Permit	144703		
		C-5	GRP-COMPENG	Compressor Engine 5	Y	A	Standard Permit	144703		
		C-6	GRP-COMPENG	Compressor Engine 6	Y	A	Standard Permit	144703		
		C-7	GRP-COMPENG	Compressor Engine 7	Y	A	Standard Permit	144703		
		C-8	GRP-COMPENG	Compressor Engine 8	Y	A	Standard Permit	144703		
		C-9	GRP-COMPENG	Compressor Engine 9	Y	A	Standard Permit	144703		
		C-10	GRP-COMPENG	Compressor Engine 10	Y	A	Standard Permit	144703		
		C-11	GRP-COMPENG	Compressor Engine 11	Y	A	Standard Permit	144703		
		C-12	GRP-COMPENG	Compressor Engine 12	Y	A	Standard Permit	144703		
		C-13	GRP-COMPENG	Compressor Engine 13	Y	A	Standard Permit	144703		
		C-14	GRP-COMPENG	Compressor Engine 14	Y	A	Standard Permit	144703		

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

Form OP-SUM - Individual Unit Summary
Table 2: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO2 Trading Program

Unit AI	Revision No.	Unit ID No.	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO2	Texas SO2 Monitoring	COR

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

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason

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

Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP/GOP Index No.	Horsepower Rating	RACT Date Placed in Service	Functionally Identical Replacement	Type of Service	Fuel Fired	Engine Type	ESAD Date Placed in Service	Diesel HP Rating

Go to the Table of Contents

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

Table 1b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP/GOP Index No.	NOx Emission Limitation	23-C Option	30 TAC Chapter 116 Limit	EGF System CAP Unit	NOx Averaging Method	NOx Reduction	NOx Monitoring System

Go to the Table of Contents

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

Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Unit ID No.	SOP/GOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Averaging Method	CO Monitoring System	NH3 Emission Limitation	NH3 Monitoring

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
GRP-COMPENG	63ZZZZ-COMPENG	AREA	500+	06+			

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System

Go to the Table of Contents

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

Table 3: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter E: Multi-Region Combustion Control

Unit ID No.	SOP/GOP Index No.	Unit Type	Horsepower Rating	Landfill	Control Operations	NOx and O2 Monitoring	Ammonia Use	NH3 Emission Limitation	Ammonia Monitoring

Go to the Table of Contents

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

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
GRP-COMPENG	60JJJJ-COMPENG	YES	NO	NONE	NO	1350+	NATGAS			CON

Go to the Table of Contents

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

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
GRP-COMPENG	60JJJJ-COMPENG	N0710+		NO			NON		

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date

Go to the Table of Contents

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

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

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options

Go to the Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1

The data found in the Unit ID No. and Group ID No. columns are used to prefill the dropdown menus for the Unit ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Unit ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Unit ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with Page 1:

The pages contain the unit attribute tables. The Unit ID No. dropdown menu is populated with the Unit ID No. entered in the OP-SUM Table 1. If a Unit ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system Permitting Tools and Guidance for General Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html Permitting Tools and Guidance for Site Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	02/2025
Form Number:	10045
APD ID Number:	12v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
N/A	N/A	OP-SUM Table 1
N/A	N/A	OP-REQ2
Table 1a	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 1
Table 1b	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 2
Table 1c	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 3
Table 1d	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 4
Table 1e	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 5
Table 1f	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 6
Table 1g	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 7
Table 1h	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 8
Table 1i	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 9
Table 1j	40 CFR Part 60, Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	Page 10
Table 2a	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 11
Table 2b	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 12
Table 2c	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 13
Table 2d	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 14
Table 2e	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 15

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 2f	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 16
Table 2g	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 17
Table 2h	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 18
Table 2i	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 19
Table 2j	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 20
Table 2k	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas	Page 21
Table 3a	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 22
Table 3b	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 23
Table 3c	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 24
Table 3d	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 25
Table 3e	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 26
Table 3f	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 27
Table 3g	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 28
Table 3h	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 29
Table 3i	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 30
Table 3j	40 CFR Part 61, Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Page 31

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 4a	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 32
Table 4b	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 33
Table 4c	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 34
Table 4d	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 35
Table 4e	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 36
Table 4f	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 37
Table 4g	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 38
Table 4h	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 39
Table 4i	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 40
Table 4j	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 41

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 4k	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 42
Table 4l	40 CFR Part 60, Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	Page 43
Table 5a	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 44
Table 5b	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 45
Table 5c	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 46
Table 5d	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 47
Table 5e	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 48
Table 5f	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 49
Table 5g	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 50
Table 5h	40 CFR Part 60, Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Page 51
Table 6	40 CFR Part 61, Subpart J: National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	Page 52
Table 7a	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 53
Table 7b	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 54
Table 7c	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 55

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 7d	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 56
Table 7e	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 57
Table 7f	30 TAC Chapter 115, Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties	Page 58
Table 8a	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 59
Table 8b	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 60
Table 8c	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 61
Table 8d	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 62
Table 8e	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 63
Table 8f	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 64
Table 8g	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 65
Table 8h	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 66
Table 8i	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 67

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 8j	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 68
Table 8k	40 CFR Part 60, Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006	Page 69
Table 9a	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 70
Table 9b	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 71
Table 9c	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 72
Table 9d	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 73
Table 9e	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 74
Table 9f	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 75
Table 9g	40 CFR Part 63, Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Page 76
Table 10	40 CFR Part 63, Subpart I: National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks	Page 77
Table 11a	40 CFR Part 61, Subpart F: National Emission Standard for Vinyl Chloride	Page 78
Table 11b	40 CFR Part 61, Subpart F: National Emission Standard for Vinyl Chloride	Page 79
Table 11c	40 CFR Part 61, Subpart F: National Emission Standard for Vinyl Chloride	Page 80
Table 12a	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 81
Table 12b	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 82
Table 12c	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 83
Table 12d	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 84

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 12e	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 85
Table 12f	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 86
Table 12g	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 87
Table 12h	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 88
Table 12i	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 89
Table 12j	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 90
Table 12k	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 91
Table 12l	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 92
Table 12m	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 93
Table 12n	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 94
Table 12o	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 95
Table 12p	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 96
Table 12q	40 CFR Part 63, Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Page 97
Table 13a	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 98
Table 13b	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 99
Table 13c	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 100
Table 13d	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 101

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 13e	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 102
Table 13f	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 103
Table 13g	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 104
Table 13h	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 105
Table 13i	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 106
Table 13j	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 107
Table 13k	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 108
Table 13l	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 109
Table 13m	40 CFR Part 63, Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Page 110
Table 14a	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 111
Table 14b	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 112
Table 14c	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 113
Table 14d	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 114
Table 14e	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 115
Table 14f	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 116

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 14g	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 117
Table 14h	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 118
Table 14i	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 119
Table 14j	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 120
Table 14k	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 121
Table 14l	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 122
Table 14m	40 CFR Part 63, Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Page 123
Table 15a	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 124
Table 15b	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 125
Table 15c	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 126
Table 15d	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 127
Table 15e	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 128
Table 15f	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 129
Table 15g	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 130
Table 15h	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 131
Table 15i	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 132
Table 15j	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 133
Table 15k	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 134
Table 15l	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 135

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 15m	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 136
Table 15n	40 CFR Part 63, Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	Page 137
Table 16a	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 138
Table 16b	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 139
Table 16c	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 140
Table 16d	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 141
Table 16e	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 142
Table 16f	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 143
Table 16g	30 TAC Chapter 115, Subchapter H: Fugitive Emissions (HRVOC)	Page 144
Table 17a	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 145
Table 17b	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 146
Table 17c	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 147
Table 17d	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 148
Table 17e	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 149
Table 17f	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 150
Table 17g	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 151

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 17h	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 152
Table 17i	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 153
Table 17j	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 154
Table 17k	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 155
Table 17l	40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	Page 156
Table 18a	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 157
Table 18b	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 158
Table 18c	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 159
Table 18d	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 160
Table 18e	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 161

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 18f	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 162
Table 18g	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 163
Table 18h	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 164
Table 18i	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 165
Table 18j	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 166
Table 18k	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 167
Table 18l	40 CFR Part 60, Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006	Page 168
Table 19a	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 169
Table 19b	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 170
Table 19c	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 171
Table 19d	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 172

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 19e	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 173
Table 19f	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 174
Table 19g	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 175
Table 19h	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 176
Table 19i	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 177
Table 19j	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 178
Table 19k	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 179
Table 19l	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 180
Table 19m	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 181
Table 19n	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 182
Table 19o	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 183
Table 19p	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 184
Table 20a	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 185

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 20b	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 186
Table 20c	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 187
Table 20d	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 188
Table 20e	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 189
Table 20f	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 190
Table 20g	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 191
Table 20h	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 192
Table 20i	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 193
Table 20j	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 194
Table 20k	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 195

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 20l	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 196
Table 20m	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 197
Table 20n	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 198
Table 20o	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 199
Table 21a	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 200
Table 21b	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 201
Table 21c	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 202
Table 21d	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 203
Table 21e	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 204
Table 21f	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 205
Table 21g	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 206
Table 21h	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 207
Table 21i	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 208
Table 21j	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 209
Table 21k	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 210
Table 21l	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 211

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 21m	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 212
Table 21n	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 213
Table 21o	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 214
Table 21p	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 215
Table 21q	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 216
Table 21r	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 217
Table 21s	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 218
Table 21t	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 219
Table 21u	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 220
Table 21v	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 221
Table 21w	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 222
Table 21x	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 223
Table 21y	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 224
Table 21z	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 225
Table 21aa	40 CFR Part 63, Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation	Page 226
Table 22a	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 227
Table 22b	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 228
Table 22c	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 229
Table 22d	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 230

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 22e	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 231
Table 22f	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 232
Table 22g	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 233
Table 22h	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 234
Table 22i	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 235
Table 22j	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 236
Table 22k	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 237
Table 22l	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 238
Table 22m	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 239
Table 22n	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 240
Table 22o	30 TAC Chapter 115, Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas	Page 241
Table 23a	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 242
Table 23b	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 243
Table 23c	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 244
Table 23d	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 245
Table 23e	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 246
Table 23f	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 247
Table 23g	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 248
Table 23h	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 249

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page
Table 23i	40 CFR Part 63, Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Page 250

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted
Yes
Yes
Yes

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted
Yes

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Data Submitted

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		FUG	GRP-FUG	Site Fugitives		A	Standard Permit	144703		
		FUG2	GRP-FUG	Site Fugitives 2		A	Standard Permit	144703		
		FUG3	GRP-FUG	Site Fugitives 3		A	Standard Permit	144703		
		FUG4	GRP-FUG	Site Fugitives 4		A	Standard Permit	144703		
		COMP-1	GRP-COMP	Reciprocating Compressor 1		A	Standard Permit	144703		
		COMP-2	GRP-COMP	Reciprocating Compressor 2		A	Standard Permit	144703		
		COMP-3	GRP-COMP	Reciprocating Compressor 3		A	Standard Permit	144703		
		COMP-4	GRP-COMP	Reciprocating Compressor 4		A	Standard Permit	144703		
		COMP-5	GRP-COMP	Reciprocating Compressor 5		A	Standard Permit	144703		
		COMP-6	GRP-COMP	Reciprocating Compressor 6		A	Standard Permit	144703		
		COMP-7	GRP-COMP	Reciprocating Compressor 7		A	Standard Permit	144703		
		COMP-8	GRP-COMP	Reciprocating Compressor 8		A	Standard Permit	144703		
		COMP-9	GRP-COMP	Reciprocating Compressor 9		A	Standard Permit	144703		
		COMP-10	GRP-COMP	Reciprocating Compressor 10		A	Standard Permit	144703		
		COMP-11	GRP-COMP	Reciprocating Compressor 11		A	Standard Permit	144703		
		COMP-12	GRP-COMP	Reciprocating Compressor 12		A	Standard Permit	144703		
		COMP-13	GRP-COMP2	Reciprocating Compressor 13		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		COMP-14	GRP-COMP2	Reciprocating Compressor 14		A	Standard Permit	144703		
		COMP-VRU	GRP-COMP	VRU Reciprocating Compressors		A	Standard Permit	144703		

Fugitive Emission Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Unit ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		GRP-FUG	40 CFR Part 60, Subpart OOOO	40 CFR §60.5365	The Facility commence construction/modification after September 18, 2015
		GRP-FUG	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5402a	The Facility is converting all of the plants to NSPS OOOOb and obtaining AMOC approval to use OGI cameras across the board.
		GRP-FUG	40 CFR Part 60, Subpart KKK	40 CFR §60.630(b)	The Facility was constructed after August 23, 2011.
		GRP-COMP2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365b	Compressors were installed after December 6, 2022.

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with §60.482-3
GRP-FUG	60KKK-1	GROUP	11+						

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Any Component: Vacuum Service	Any Component: Non-VOC or Non-Wet Gas Service	Pumps: Light Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-2

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-8	Pressure Relief Device: Gas/Vapor Service	Pressure Relief Device: AMEL	Pressure Relief Device: AMEL ID No.	Pressure Relief Device: Complying with §60.482-4

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Pressure Relief Devices: Light Liquid Service	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices: Complying with §60.482-8	Pressure Relief Devices: Heavy Liquid Service	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §60.482-6	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Valves: 2% Valves Leaking	Valves: Gas/Vapor Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-7	Valves: Light Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-7

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Valves: Heavy Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-8	Closed Vent Systems and Control Devices: Control Devices used to comply with AMEL	Closed Vent Systems and Control Devices: AMEL ID No.	Closed Vent Systems and Control Devices: Flare	Closed Vent Systems and Control Devices: Control Device ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices: Vapor Recovery System	Closed Vent Systems and Control Devices: Control Device ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10	Closed Vent Systems and Control Devices: Enclosed Combustion Device	Closed Vent Systems and Control Devices: Control Device ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Control Device(s) and Closed Vent Systems: Closed-Vent Systems	Control Device(s) and Closed Vent Systems: Complying with §60.482-10	Control Device(s) and Closed Vent Systems: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP/GOP Index No.	Title 30 TAC §115.352 Applicable	< 250 Components at Site	Weight Percent VOC	Reciprocating Compressors or Positive Displacement Pumps

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP/GOP Index No.	Rupture Disks	Instrumentation Systems	Sampling Connection Systems	TVP ≤ 0.002 psia

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Process Drains	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pressure Relief Valves	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Open-ended Valves and Lines	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Valves (other than pressure relief and open-ended)	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Flanges	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Agitators	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Compressor Seals	ACR	ACR ID No.	Complying with §115.352(1)	Hydrogen Content to Exceed 50% by Volume	Shaft Seal System	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pump Seals	ACR	ACR ID No.	Complying with §115.352(1)	Shaft Seal System	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Components Utilizing Alternative Work Practice in §115.358	Title 30 TAC §115.358 Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Any Component: Vacuum Service	Any Component: VHAP Service	Pumps	AMEL	AMEL ID No.	Complying with §61.242-2

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Compressors	AMEL	AMEL ID No.	Complying with §61.242-3

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Pressure Relief Device: Gas/Vapor Service	Pressure Relief Device: AMEL	Pressure Relief Device: AMEL ID No.	Pressure Relief Device: Complying with §61.242-4	Pressure Relief Device: Liquid Service	Pressure Relief Device: AMEL	Pressure Relief Device: AMEL ID No.	Pressure Relief Device: Complying with §61.242-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3d: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Sampling Connection Systems	AMEL	AMEL ID No.	Complying with §61.242-5	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §61.242-6

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3e: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Valves	AMEL	AMEL ID No.	Complying with §61.242-7	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with §61.242-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3f: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Product Accumulator Vessels	AMEL	AMEL ID No.	Complying with §61.242-9

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3g: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Control Device ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(b)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3h: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(c)	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3i: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Flare	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(d)	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3j: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(f)(1)	Closed-Vent Systems and Control Devices: Title 40 CFR Part 61, Subpart V Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Produces Chemicals	Affected Facility	Construction/ Modification Date	Compliance Option	Design Capacity	Produces Heavy Liquid Chemicals	Beverage Alcohol Production

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Any Component: Equipment in VOC Service	Any Component: Vacuum Service	Any Component: VOC Service < 300 hrs/yr	Pumps: Light Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-2

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Compressor	Compressor: EEL	Compressor: EEL ID No.	Compressor: Complying with §60.482-3	Pressure Relief Devices in Gas/Vapor Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Sampling Connection System	Sampling Connection System: EEL	Sampling Connection System: EEL ID No.	Sampling Connection System: Complying with §60.482-5	Valves: Open-Ended	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-6

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: 2.0%	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-7

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Pumps: Heavy Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-8	Valves: Heavy Liquid Service	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Pressure Relief Devices: Heavy Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8	Connectors: Flanges and Other Connectors	Connectors: EEL	Connectors: EEL ID No.	Connectors: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices: Vapor Recovery System	Closed Vent Systems and Control Devices: EEL	Closed Vent Systems and Control Devices: EEL ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10	Closed Vent Systems and Control Devices: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices: Enclosed Combustion Device	Closed Vent Systems and Control Devices: EEL	Closed Vent Systems and Control Devices: EEL ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10	Closed Vent Systems and Control Devices: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed Vent System and Control Device: Flare	Closed Vent System and Control Device: EEL	Closed Vent System and Control Device: EEL ID No.	Closed Vent System and Control Device: Complying with §60.482-10	Closed Vent System and Control Device: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed Vent System and Control Devices: CVS(or Vapor Collection System)	Closed Vent System and Control Devices: EEL	Closed Vent System and Control Devices: EEL ID No.	Closed Vent System and Control Devices: Complying with §60.482-10

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart VV Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

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

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-2	Pumps: Heavy Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

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

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

Unit ID No.	SOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Light Liquid or Heavy Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8	Sampling Connection Systems	EEL	EEL ID No.	Complying with §60.482-5

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

Unit ID No.	SOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: 2.0%	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-7	Valves: Heavy Liquid Service	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

Unit ID No.	SOP Index No.	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

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

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.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

Unit ID No.	SOP Index No.	Flare	BEEL	9BEEL ID No.	Complying with §60.482-10	Control Device ID No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart J: National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene

Unit ID No.	SOP Index No.	Design Capacity	Any Component in Benzene Service	AMEL	AMEL ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	VOC Weight Percent	2-Inch Valves	Title 30 TAC §115.322 Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	Pump Seals	ACR	ACR ID No.	Complying with §115.327(3) and §115.322(1)	Remaining Components Complying with §115.322(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	Valves (Other Than Elevated or Pressure Relief Valves): Gaseous VOC Service	Valves (Other Than Elevated or Pressure Relief Valves): ACR	Valves (Other Than Elevated or Pressure Relief Valves): ACR ID No.	Valves (Other Than Elevated or Pressure Relief Valves): Complying with §115.327(5) and §115.322(1)	Valves (Other Than Elevated or Pressure Relief Valves): Remaining Components Complying with §115.322(1)	Valves (Other Than Elevated or Pressure Relief Valves): Liquid VOC Service	Valves (Other Than Elevated or Pressure Relief Valves): ACR	Valves (Other Than Elevated or Pressure Relief Valves): ACR ID No.	Valves (Other Than Elevated or Pressure Relief Valves): Complying with §115.327(3) or (5) and §115.322(1)	Valves (Other Than Elevated or Pressure Relief Valves): Remaining Components Complying with §115.322(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	Process Drains	ACR	ACR ID No.	Complying with §115.327(3) and §115.322(1)	Remaining Components Complying with §115.322(1)	Compressor Seals	ACR	ACR ID No.	Complying with §115.327(3) or (6) and §115.322(1)	Remaining Components Complying with §115.322(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	Elevated Valves	ACR	ACR ID No.	Complying with §115.327 (3) or (5) and §115.322(1)	Remaining Components Complying with §115.322(1)	Pressure Relief Valve in Gaseous VOC Service	ACR	ACR ID No.	Complying with §115.327 (3) or (5) and §115.322(1)	Remaining Components Complying with §115.322(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 7f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.	SOP Index No.	Connectors	ACR	ACR ID No.	Complying with §115.327(3) and §115.322(1)	Remaining Components Complying with §115.322(1)	Components Complying with §115.358

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Construction/Modification Date	Affected Facility Covered by 40 CFR 60 Subparts VV or KKK

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Vacuum Service	Pumps: Light Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-2	Pumps: Heavy Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Compressors: Any Compressors	Compressors: Compressors in Hydrogen Service	Compressors: Reciprocating Compressors that became an affected facility under §60.14 or §60.15	Compressors: EEL	Compressors: EEL ID No.	Compressors: Complying with §60.482-3

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Light Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8	Pressure Relief Devices: Heavy Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Sampling Connection Systems: Any Sampling Connection Systems	Sampling Connection Systems: EEL	Sampling Connection Systems: EEL ID No.	Sampling Connection Systems: Complying with §60.482-5	Open-ended Valves or Lines: Any Open-ended Valves or Lines	Open-ended Valves or Lines: Valves or Lines Containing Asphalt	Open-ended Valves or Lines: EEL	Open-ended Valves or Lines: EEL ID No.	Open-ended Valves or Lines: Complying with §60.482-6

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: Compliance with §60.483-1	Valves: Compliance with §60.483-2	Valves: Leakless Phase III Valves	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-7

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Valves: Heavy Liquid Service	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-8	Flanges and Other Connectors: Flanges and Other Connectors	Flanges and Other Connectors: EEL	Flanges and Other Connectors: EEL ID No.	Flanges and Other Connectors: Complying with §60.482-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Flare	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 8k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent (or Vapor Collection) Systems	EEL	EEL ID No.	Complying with §60.482-10	Title 40 CFR Part 60, Subpart GGG Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Equipment Type	Non Research and Development/Batch Processes	Vacuum Service	Less Than 300 Operating Hours	Heavy Liquid Service	AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Enclosed-Vented Process Unit AMEL	Heavy Liquid Service	Batch Process AMEL	Pressure Test	Heavy Liquid Service	General AMEL	AMEL ID No.	Heavy Liquid Service	Units Without An AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: Heavy Liquid Service	Compressors: Any	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Liquid Service	Pressure Relief Devices: Heavy Liquid Service	Sampling Connection Systems: Any	Sampling Connection Systems: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Open-Ended Valves or Lines: Any	Open-Ended Valves or Lines: Heavy Liquid Service	Valves: Gas/Vapor or Light Liquid Service	Valves: Heavy Liquid Service	Connectors: Gas/Vapor or Light Liquid Service	Connectors: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Agitators: Gas/Vapor or Light Liquid Service	Agitators: Heavy Liquid Service	Instrumentation Systems: Any	Instrumentation Systems: Heavy Liquid Service	Surge Control Vessels or Bottom Receivers: Any	Surge Control Vessels or Bottom Receivers: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Closed-Vent System: Any	Closed-Vent System: Recovery or Recapture Devices	Recovery or Recapture Device Control Device ID No.	Closed-Vent System: Enclosed Combustion Devices	Enclosed Combustion Device ID No.	Closed-Vent System: Flares	Flare Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.	SOP Index No.	Bypass Lines	Unsafe To Inspect	Difficult To Inspect	Employee Number	Title 40 CFR Part 63, Subpart H Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 10: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart I: National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks

Unit ID No.	SOP Index No.	Process Type	Designated HAPs	AMEL	AMEL ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart F: National Emission Standard for Vinyl Chloride

Unit ID No.	SOP Index No.	Relief Valves	Loading and Unloading	Slip Gauges	Pumps: In process Wastewater Streams	Pumps: Rotating Pumps	Pumps: Reciprocating Pumps	Compressors: Rotating Compressors	Compressors: Reciprocating Compressors

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart F: National Emission Standard for Vinyl Chloride

Unit ID No.	SOP Index No.	Agitator	Sampling Equipment	Valves	Approved Leak Detection Plan	Open-ended Valves or Lines	Multiple Process Service Line	Flare	Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 11c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart F: National Emission Standard for Vinyl Chloride

Unit ID No.	SOP Index No.	Enclosed Combustion Device	Control Device ID No.	Vapor Recovery System	Control Device ID No.	Title 40 CFR Part 61, Subpart F Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Existing Source	Complying With Title 40 CFR Part 60, Subpart VV	AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Enclosed-Vented Process Unit AMEL	Heavy Liquid Service	General AMEL	Heavy Liquid Service	AMEL ID No.	Units Without An AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12c: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12d: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12e: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12f: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12g: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12h: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12i: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12j: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12k: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12l: Title 40 Code of Subpart CC: National Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12m: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12n: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12o: Title 40 Code of Subpart CC: National Emission Fugitive Unit Components

Unit ID No.	SOP Index No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Pressure Relief Devices in Gas/Vapor Service: Routing to Control	Pressure Relief Devices in Gas/Vapor Service: §63.684(j)(5) Exemptions	Pressure Relief Devices in Gas/Vapor Service: Pilot-Operated PRD	Pressure Relief Devices in Gas/Vapor Service: Balanced Bellows PRD	Pressure Relief Devices in Gas/Vapor Service: Control Device Type	Pressure Relief Devices in Gas/Vapor Service: Control Device ID No.	Pressure Relief Devices in Gas/Vapor Service: Alternate Parameter Monitoring	Pressure Relief Devices in Gas/Vapor Service: Continuous Operating Parameter Alternative	Pressure Relief Devices in Gas/Vapor Service: Alternate ID No.	Pressure Relief Devices in Gas/Vapor Service: Automated Data Recording

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 12q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.	SOP Index No.	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): §63.684(j)(5) Exemptions	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Routing to Control	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Control Device Type	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Control Device ID No.	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Alternate Parameter Monitoring	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Continuous Operating Parameter Alternative	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Alternate ID No.	Pressure Relief Devices in Liquid Service (MACT H) or Light Liquid Service (NSPS VV): Automated Data Recording	Title 40 CFR Part 63, Subpart CC Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	AMEL	AMEL ID No.	Subject to Another Regulation	VHAP Weight Percent	< 300 Operating Hours	Vacuum Service	Sampling Connection Systems

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Pumps	Design Capacity < 283,000	AMEL	AMEL ID No.	Complying with §61.242-2

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with §61.242-3

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices (In Gas/Vapor Service)	Relief Device Monitoring	Design Capacity < 283,000	AMEL	AMEL ID No.	Complying with §61.242-4

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices (In Liquid Service)	AMEL	AMEL ID No.	Complying with §61.242-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §61.242-6

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Valves	Design Capacity < 283,000	AMEL	AMEL ID No.	Complying with §61.242-7

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with §61.242-8

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Product Accumulator Vessels	AMEL	AMEL ID No.	Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(b)	Closed-Vent Systems and Control Devices: Control Device ID No

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(c)	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Flare	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §61.242-11(d)	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 13m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems: AMEL	Closed-Vent Systems: AMEL ID No.	Closed-Vent Systems: Complying §61.242 11(f)(1)	Title 40 CFR Part 63, Subpart HH Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Equipment Type	Vacuum Service	Enclosed-Vented Process Unit AMEL	Batch Process AMEL	Pressure Test	Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Pumps in Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.163	Compressors	AMEL	AMEL ID No.	Complying with §63.164

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Pressure Relief Devices in Gas/Vapor Service	AMEL	AMEL ID No.	Complying with §63.165	Sampling Connection Systems	AMEL	AMEL ID No.	Complying with §63.166

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §63.167	Valves in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.168

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Pumps in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169	Valves in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Connectors in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169	Agitators in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Instrumentation Systems	AMEL	AMEL ID No.	Complying with §63.169	Pressure Relief Devices in Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Surge Control Vessels or Bottom Receivers	§63.502(b)(1)-(7) Criteria	Vapor Pressure Criteria	Compliance with §63.119(b) or (c)	Routed to Process

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Agitators in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.173	Connectors in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.174

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Heat Exchange Systems	Subpart Compliance	Cooling Water Monitored	Closed-Vent Systems	AMEL	AMEL ID No.	Complying with §63.172

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Recovery or Recapture Devices	AMEL	AMEL ID No.	Complying with §63.172	Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Enclosed Combustion Devices	AMEL	AMEL ID No.	Complying with §63.172	Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 14m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

Unit ID No.	SOP Index No.	Flares	AMEL	AMEL ID No.	Complying with §63.172	Control Device ID No.	Title 40 CFR Part 63, Subpart U Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Equipment Type	Product Produced	Process Type	Vacuum Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Enclosed Vented Process Unit AMEL	Batch Process AMEL	Pressure Test	Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Pumps in Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.163	Compressors	AMEL	AMEL ID No.	Complying with §63.164

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Pressure Relief Devices in Gas/Vapor Service	AMEL	AMEL ID No.	Complying with §63.165	Sampling Connection Systems	AMEL	AMEL ID No.	Complying with §63.166

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §63.167	Valves in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.168

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Pumps in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169	Valves in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Connectors in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169	Agitators in Heavy Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Instrumentation Systems	AMEL	AMEL ID No.	Complying with §63.169	Pressure Relief Devices in Liquid Service	AMEL	AMEL ID No.	Complying with §63.169

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Surge Control Vessels or Bottoms Receivers	Vapor Pressure Criteria	Compliance with §63.119(b) or (c)	Routed to Process

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Agitators in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.173	Connectors in Gas/Vapor or Light Liquid Service	AMEL	AMEL ID No.	Complying with §63.174

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Closed-Vent System and Control Devices: Closed-Vent Systems	Closed-Vent System and Control Devices: AMEL	Closed-Vent System and Control Devices: AMEL ID No.	Closed-Vent System and Control Devices: Complying with §63.172

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Recovery or Recapture Devices	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §63.172	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Devices	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §63.172	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 15n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Flares	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §63.172	Closed-Vent Systems and Control Devices: Control Device ID No.	Title 40 CFR Part 63, Subpart JJJ Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP/GOP Index No.	Title 30 TAC §115.780 Applicable	Less Than 250 Components at Site	Weight Percent HRVOC	Pumps with Shaft Seal System	Compressors with Shaft Seal System	Agitators with Shaft Seal System

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP/GOP Index No.	Process Drains	ACR	ACR ID No.	Complying with §115.781(b)(9)	Pressure Relief Valves	ACR	ACR ID No.	Complying with §115.781(b)(9)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP Index No.	Open-ended Valves or Lines	ACR	ACR ID No.	Complying with §115.781(b)(9)	Bypass Line Valves	ACR	ACR ID No.	Complying with §115.781(b)(9)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP Index No.	Valves (other than pressure relief, open-ended, and bypass line)	ACR	ACR ID No.	Complying with §115.781(b)(9)	Flanges or Other Connectors	ACR	ACR ID No.	Complying with §115.781(b)(9)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP Index No.	Compressor Seals	ACR	ACR ID No.	Complying with §115.781(b)(9)	Pump Seals	ACR	ACR ID No.	Complying with §115.781(b)(9)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP Index No.	Agitators	ACR	ACR ID No.	Complying with §115.781(b)(9)	Heat Exchanger Heads, Sight Glasses, Meters, Gauges, Sampling Connections, Bolted Manways, Hatches, Sump Covers, Junction Box Vents, or Covers and Seals on VOC Water Separators	ACR	ACR ID No.	Complying with §115.781(b)(9)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)

Unit ID No.	SOP/GOP Index No.	Alternative Work Practice in §115.358	Title 30 TAC §115.358 Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Produces Chemicals	Affected Facility	Construction/ Modification Date	Compliance Option	Design Capacity	Facility Type

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-2a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Compressor	Compressor: EEL	Compressor: EEL ID No.	Compressor: Complying with §60.482-3a	Pressure Relief Devices: Gas/Vapor Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Sampling Connection System	Sampling Connection System: EEL	Sampling Connection System: EEL ID No.	Sampling Connection System: Complying with 60.482-5a	Open-Ended Valves and Lines	Open-ended Valves and Lines: EEL	Open-Ended Valves and Lines: EEL ID No.	Open-Ended Valves and Lines: Complying with 60.482-6a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: 2.0%	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-7a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Pumps: Heavy Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-8a	Valves: Heavy Liquid Service	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Pressure Relief Devices: Heavy or Light Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8a	Connectors: Heavy Liquid Service	Connectors: EEL	Connectors: EEL ID No.	Connectors: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices: Enclosed Combustion Device	Closed Vent Systems and Control Devices: EEL	Closed Vent Systems and Control Devices: EEL ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10a	Closed Vent Systems and Control Devices: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Control Devices: Flare	Control Devices: EEL	Control Devices: EEL ID No.	Control Devices: Complying with §60.482-10a	Control Devices: Control Device ID.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Control Devices: CVS	Control Devices: EEL	Control Devices: EEL ID No.	Control Devices: Complying with §60.482-10a	Connectors: Gas/Vapor or Light Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 17l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart VVa Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Construction/Modification Date	Affected Facility Covered by 40 CFR 60 Subparts VVa or KKK

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Pumps: Vacuum Service	Pumps: Light Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-2a	Pumps: Heavy Liquid Service	Pumps: EEL	Pumps: EEL ID No.	Pumps: Complying with §60.482-3a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Compressors: Any Compressors	Compressors: Compressors in Hydrogen Service	Compressors: Reciprocating Compressors that became an affected facility under §60.14 or §60.15	Compressors: EEL	Compressors: EEL ID No.	Compressors: Complying with §60.482-3a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Sampling and Connection Systems: Sampling Connection Systems	Sampling and Connection Systems: EEL	Sampling and Connection Systems: EEL ID No.	Sampling and Connection Systems: Complying with §60.482-5a	Open-Ended Valves or Lines: Open-ended Valves or Lines	Open-Ended Valves or Lines: Valves or Lines Containing Asphalt	Open-Ended Valves or Lines: EEL	Open-Ended Valves or Lines: EEL ID No.	Open-Ended Valves or Lines: Complying with §60.482-6a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: Alternative Compliance with §60.483-1a	Valves: Alternative Compliance with §60.483-2a	Valves: Leakless Phase III Valves	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-7a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Valves: Heavy Liquid Service	Valves: EEL	Valves: EEL ID No.	Valves: Complying with §60.482-8a	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Light Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Pressure Relief Devices: Heavy Liquid Service	Pressure Relief Devices: EEL	Pressure Relief Devices: EEL ID No.	Pressure Relief Devices: Complying with §60.482-8a	Connectors: Heavy Liquid Service	Connectors: EEL	Connectors: EEL ID No.	Connectors: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Connectors Closed-Vent Systems and Control Devices: Gas/Vapor or Light Liquid Service	Connectors Closed-Vent Systems and Control Devices: Vapor Recovery System	Connectors Closed-Vent Systems and Control Devices: EEL	Connectors Closed-Vent Systems and Control Devices: EEL ID No.	Connectors Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Connectors Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Flare	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Closed-Vent Systems and Control Devices: Closed-Vent (or Vapor Collection) Systems	Closed-Vent Systems and Control Devices: EEL	Closed-Vent Systems and Control Devices: EEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 18l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Centrifugal Compressor	Control Option	Control Device ID No.	Combustion Device Compliance Option	Performance Test	Bypass Device

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/Modification Date	Reciprocating Compressor	AMEL	Bypass Device
GRP-COMP	60OOOOa-COMP	15+	RC36-	NO	

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/Modification Date	Pneumatic Controller

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Pneumatic Pump	Control Option	Control Device ID No.	Bypass Device

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Fugitive Component	AMEL	Subject to Another Regulation

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Any Vacuum Service	Pumps: Light Liquid Service	Pumps: Design Capacity < 10MM	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-2a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Design Capacity < 10MM	Pressure Relief Devices: AMEL	Pressure Relief Devices: Complying with §60.482-4a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Valves: Open-Ended	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-6a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: Design Capacity < 10MM	Valves: 2.0%	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-7a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-8a	Valves: Heavy Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices: Heavy or Light Liquid Service	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices: Complying with §60.482-8a	Connectors: Heavy Liquid Service	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Vapor Recovery System	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed-Vent Systems and Control Devices: Enclosed Combustion Device	Closed-Vent Systems and Control Devices: AMEL	Closed-Vent Systems and Control Devices: AMEL ID No.	Closed-Vent Systems and Control Devices: Complying with §60.482-10a	Closed-Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Control Devices: Flare	Control Devices: AMEL	Control Devices: AMEL ID No.	Control Devices: Complying with §60.482-10a	Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Control Devices: CVS	Control Devices: AMEL	Control Devices: AMEL ID No.	Control Devices: Complying with §60.482-10a	Connectors: Gas/Vapor or Light Liquid Service	Connectors: Design Capacity < 10MM	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §60.482-11a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Centrifugal Compressor	Control Option	Control Device ID No.	Combustion Device Compliance Option	Performance Test	Bypass Device

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Reciprocating Compressor	Bypass Device

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Pneumatic Controller

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Subject to Another Subpart	Construction/Modification Date

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Any Vacuum Service	Pumps: Light Liquid Service	Pumps: Design Capacity < 10MM	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-2a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Design Capacity < 10MM	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices: Complying with §60.482-4a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with §60.482-6a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Valves: Gas/Vapor or Light Liquid Service	Valves: Design Capacity < 10MM	Valves: 2.0%	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-7a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §60.482-8a	Valves: Heavy Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Pressure Relief Device: Heavy or Light Liquid Service	Pressure Relief Device: AMEL	Pressure Relief Device: AMEL ID No.	Pressure Relief Device: Complying with 60.482-8a	Connectors: Heavy Liquid Service	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with 60.482-8a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed Vent Systems and Control Devices: Vapor Recovery System	Closed Vent Systems and Control Devices: AMEL	Closed Vent Systems and Control Devices: AMEL ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10a	Closed Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed Vent Systems and Control Devices: Enclosed Combustion Device	Closed Vent Systems and Control Devices: AMEL	Closed Vent Systems and Control Devices: AMEL ID No.	Closed Vent Systems and Control Devices: Complying with §60.482-10a	Closed Vent Systems and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Closed Vent Systems (CVS) and Control Devices: Flare	Closed Vent Systems (CVS) and Control Devices: AMEL	Closed Vent Systems (CVS) and Control Devices: AMEL ID No.	Closed Vent Systems (CVS) and Control Devices: Complying with §60.482-10a	Closed Vent Systems (CVS) and Control Devices: Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Control Devices: CVS	Control Devices: AMEL	Control Devices: AMEL ID No.	Control Devices: Complying with §60.482-10a	Connectors: Gas/Vapor or Light Liquid Service	Connectors: Design Capacity < 10MM	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §60.482-11a

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 20o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Means of Compliance	AMOC-GGGGG ID No.	AMEL-UU ID No.	Heavy Liquid Service	UU Units Without an AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: Dual Mechanical Seal System	Pumps: No Externally Actuated Shaft	Pumps: Routed to Process or Fuel Gas System or Equipped CVS	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §63.1026(a)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Complying with §63.1029	Compressors: Any	Compressors: Leakage Capture and Transport	Compressors: Instrument Reading <500 ppm

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Compressors: AMEL	Compressors: AMEL ID No.	Compressors: Complying with §63.1031(b)	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices Gas/Vapor Service: Equipped Rupture Disk	Pressure Relief Devices Gas/Vapor Service: Routed to Process or Fuel Gas System or Equipped CVS

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Pressure Relief Devices Gas/Vapor Service	Pressure Relief Devices Gas/Vapor Service: AMEL ID No.	Pressure Relief Devices Gas/Vapor Service: PRD GVS Complying with §63.7920(e)	Pressure Relief Devices: Liquid Service	Pressure Relief Devices: AMEL	Pressure Relief Devices: AMEL ID No.	Pressure Relief Devices Liquid Service: Heavy Liquid Service	Pressure Relief Devices Liquid Service: PRD LS Complying with §63.7920(e)	Pressure Relief Devices Liquid Service: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Sampling Connection Systems: Any	Sampling Connection Systems: AMEL	Sampling Connection Systems: AMEL ID No.	Sampling Connection Systems: Heavy Liquid Service	Sampling Connection Systems: Complying with §63.1032(b)	Sampling Connection Systems: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Open-ended Valves or Lines: Any	Open-ended Valves or Lines: AMEL	Open-ended Valves or Lines: AMEL ID No.	Open-ended Valves or Lines: Heavy Liquid Service	Open-ended Valves or Lines: Complying with §63.1033	Open-ended Valves or Lines: Heavy Liquid Service	Valves: Gas/Vapor or Light Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §63.1025

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Valves: Heavy Liquid Service	Valves: AMEL	Valves: AMEL ID No.	Valves: Complying with §63.1029	Connectors: Gas/Vapor or Light Liquid Service	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §63.1027

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Connectors: Heavy Liquid Service	Connectors: AMEL	Connectors: AMEL ID No.	Connectors: Complying with §63.1029	Agitators: Gas/Vapor or Light Liquid Service	Agitators: Dual Mechanical Seal System	Agitators: No Externally Actuated Shaft	Agitators: Routed to Process or Fuel Gas System or Equipped CVS

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Agitators Gas/Vapor Light Liquid Service: AMEL	Agitators Gas/Vapor Light Liquid Service: AMEL ID No.	Agitators Gas/Vapor Light Liquid Service: Complying with §63.1028(c)	Agitators: Heavy Liquid Service	Agitators Heavy Liquid Service: AMEL	Agitators Heavy Liquid Service: AMEL ID No	Agitators Heavy Liquid Service: Complying with §63.1029

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Instrumentation Systems: Any	Instrumentation Systems: AMEL	Instrumentation Systems: AMEL ID No.	Instrumentation Systems: Heavy Liquid Service	Instrumentation Systems: Complying with §63.1029	Instrumentation Systems: Heavy Liquid Service	Closed Vent Systems: Fuel Gas System or Process

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): Non-flare 95% Efficiency	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Non-flare 20 ppmv	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Combustion 95% Efficiency	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): Combustion 20 ppmv	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Residence Time 0.5s Min. 760ºC	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Flare	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Regen. CAS	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Non-Regen. CAS	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Condenser	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21o: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Thermal Incinerator	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Catalytic Incinerator	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Boiler or Process Heater	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Flare	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Enc.-Vent. Process Unit AMEL-UU	Enc.-Vent. Process Unit AMEL-UU ID No.	Negative Pressure	Bypass Device	Flare Compliance

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21r: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Enc.-Vent. Process Unit AMEL-TT	Enc.-Vent. Process Unit AMEL-TT ID No.	General AMEL-TT	General AMEL-TT ID No.	TT Units Without an AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21s: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: Handling Polymerizing Monomers	Pumps: In Food or Medical Service	Pumps: Complying with §63.1007	Pumps: Heavy Liquid Service	Compressors: Any

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21t: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Pressure Relief Devices: Gas/Vapor Service	Pressure Relief Devices: Liquid Service	Sampling Connection Sys.: Any	Open-Ended Valves: Any	Valves: Gas/Vapor or Light Liquid Service	Valves: Heavy Liquid Service

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21u: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Connectors: Gas/Vapor or Light Liquid Service	Connectors: Heavy Liquid Service	Agitators: Gas/Vapor or Light Liquid Service	Agitators: Heavy Liquid Service	Instrumentation Systems: Any	Closed Vent Systems: Fuel Gas System or Process

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21v: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): Non-flare 95% Efficiency	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Non-flare 20 ppmv	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): Enclosed Combustion Device	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21w: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): Flare	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Regen. CAS	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Non-Regen. CAS	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21x: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Condenser	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Thermal Incinerator	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Catalytic Incinerator	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21y: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Boiler or Process Heater	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.	Closed Vent Systems and Control Devices (CVSCD): 63GGGGG-Flare	Closed Vent Systems and Control Devices (CVSCD): Control Device ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21z: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Negative Pressure	Bypass Device	Flare Compliance

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 21aa: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.	SOP Index No.	Alternative Work Practice Standards	Work Practice Standards ID No.	Design Evaluation	Bypass Device	Continuous Emissions Monitoring System	CVSCD Continuous Compliance

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Compressor Type	ACR	ACR ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Control Option	Control Device	Control Device ID No.	Bypass Device	Unsafe to Monitor	Difficult to Monitor

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pneumatic Facility Type	ACR	ACR ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Control Device	Control Device ID No.	Bypass Device	Unsafe to Monitor	Difficult to Monitor

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Fugitive Component	Components Utilizing Alternative Work Practice in §115.358

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pumps in Light Liquid VOC Service	ACR	ACR ID No.	Polymerizing Monomer	Not Polymerizing Monomer

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pumps in Heavy Liquid VOC Service	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Valves	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Flanges	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Connectors	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Pressure Relief Devices	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22l: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Sampling Connections	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22m: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Process Drains	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22n: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Compressors	ACR	ACR ID No.	Complying with §115.177(b)(1)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.	SOP Index No.	Title 30 TAC §115.177 Fugitive Unit Description

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Means of Compliance	General AMEL ID No.	TT Units Without an AMEL	Heavy Liquid Service	H Units Without an AMEL

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Valves: Light Liquid Service	Valves: Heavy Liquid Service	Pumps: Light Liquid Service	Pumps: Heavy Liquid Service	Sampling Connection Systems	Open-ended Valves

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Valves: Light Liquid Service	Valves Light Liquid Service: AMEL	Valves Light Liquid Service: AMEL ID No.	Valves Light Liquid Service: Complying with §63.1025	Valves: Heavy Liquid Service	Valves Heavy Liquid Service: AMEL	Valves Heavy Liquid Service: AMEL ID No.	Valves Heavy Liquid Service: Complying with §63.1029

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.	Pumps: Dual Mechanical Seal	Pumps: No Externally Actuated Shaft	Pumps: Routed to Process or Fuel Gas System or Equipped CVS	Pumps: Complying with §63.1026(b)

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Pumps: Heavy Liquid Service	Pumps: AMEL	Pumps: AMEL ID No.

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Pumps: Complying with §63.1029

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Sampling Connection Systems	Sampling Connection Systems: AMEL	Sampling Connection Systems: AMEL ID No.	Sampling Connection Systems: Heavy Liquid Service	Sampling Connection Systems: Complying with §63.1032

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Open-ended Valves	Open-ended Valves: AMEL	Open-ended Valves: AMEL ID No.	Open-ended Valves: Heavy Liquid Service	Open-ended Valves: Complying with §63.1033

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Pumps: Light Liquid Service	Pumps: Heavy Liquid Service	Sampling Connection Systems: Any

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Sampling Connection Systems: Heavy Liquid Service

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 23i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

Unit ID No.	SOP Index No.	Valves: Light Liquid Service	Valves: Heavy Liquid Service	Open-Ended: Any

Go to the Table of Contents

Fugitive Emission Unit Attributes
Form OP-UA12
Federal Operating Permit Program
Texas Commission on Environmental Quality

Open-Ended: Heavy Liquid Service

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

Overview:
The UA Form includes General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables for the emission units which start on Page 1. The corresponding instructions for the unit attribute tables are found in the UA Form Instructions link in the Website Links section. A dropdown menu is used in all of the unit attribute tables. The dropdown menu corresponds to the codes that are available in the form instructions. These forms have conditional formatting and data validation which use a dropdown menu. Therefore, if typing or pasting codes that are not in the dropdown menu, an error will occur. This sheet is for informational purposes only. No data is required and you do not need to print this sheet. Please begin by inserting the permit information in the General Information sheet. Complete the UA Form in order of the sheets until you reach Page 1, then complete the unit attribute tables as applicable. Responses and data entered on the OP-SUM Table 1 are used to prefill columns in the remaining sheets of the UA form. The recommended zoom setting is 100%. Adjusting the zoom may affect the visibility of instructions. When pasting, always use Excel's “Paste as Values” option from the right-clicking menu. “Paste as Values” can be used when data repeats on multiple forms. Fully expand the row by increasing the row heights so all text is visible. (Place the cursor on the bottom of the number line to the far left of the screen, click and drag downward until all text is visible.) Accessibility disclaimer: this form contains intentionally blank cells. Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect. If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.
Instructions:
General Information The General Information sheet holds the permit information. Applicants will enter the following permit application information for the site: “Date”, “Customer Reference No.”, “Regulated Entity No.”, “Permit No.”, “Permit Area Name”, and “Project Number” if available. The applicants will use the dropdown menu for “Permit Type”, “Project Type”, and “Submission Type”. The “Title V Form Release Date”, “Form Number”, “APD ID Number”, and “Version Revised Date” are present and cannot be altered. Any subsequent submittals must have a new date. Table of Contents

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

The Table of Contents lists all of the sheets in the UA Form Table. If information is submitted on the OP-SUM, OP-REQ2 or the Unit Attribute pages, the "Data Submitted" column will display a "Yes". If no information is submitted, the "Data Submitted" column will remain blank. The Table of Contents information is autopopulated. Applicants will not need to submit any information in the Table of Contents.

On the Table of Contents sheet, there are filter dropdowns in row 3 that are optional tools to simplify data shown on the sheet.

To use the Table of Contents filter(s):
-Locate row 3 on the Table of Contents sheet.
-Left click the arrow icon in whichever column you would like to filter. A box will appear with checkboxes of all data within the table column.
-Select the applicable checkbox(s), or search for specific data by using the search bar, and then select the "OK" button.
-The table will filter out data that has not been selected.
-Should the project require different filter settings during the process, return to the filter(s) and update the checkboxes accordingly. To return to the original state of the sheet, select the "(Select All)" checkbox for all table column filters.

OP-SUM Table 1

The data found in the Process ID No. and Group ID No. columns are used to prefill the dropdown menus for the Process ID No. found in the OP-REQ2 and the unit attribute tables. Use the dropdown menus in the OP-SUM to select data. If there is no dropdown menu, enter the data. Refer to the OP-SUM form instructions for further details to fill out the table.

OP-REQ2

The OP-REQ2 contains dropdown menus for Unit AI and Process ID No. The data in the dropdown menus come from the data submitted in the OP-SUM Table 1. If a Process ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. If a permit shield is being requested for a Process ID No., the ID No. must be entered on the OP-SUM Table 1. Refer to the OP-REQ2 form instructions for further details to fill out the table.

The Potentially Applicable Regulatory Name column has conditional formatting in place if a regulatory name is typed in or pasted rather than selected from the dropdown menu. This does not automatically indicate an error.

Unit Attribute Tables begin with **Page 1**:

The pages contain the unit attribute tables. The Process ID No. dropdown menu is populated with the Process ID No. entered in the OP-SUM Table 1. If a Process ID No. is a member of a group, only the Group ID No. will be available in the dropdown menu. The SOP/GOP Index No. is not a dropdown menu. The SOP/GOP Index No. cannot be left blank and must be entered by the applicant. The dropdown menu for the other columns in the table corresponds to the codes that are available for each question found in the UA Form Instructions. Refer to the specific OP-UA form instructions for further details to fill out the table.

If existing information on a unit attribute table for an operating scenario needs to be changed, updated, or deleted (including index numbers) provide a description of the change in the "Description of Change and Provisional Terms and Conditions" section of Form OP-2. The OP-2 description should clearly identify whether existing UA data is being updated.

For application updates within a specific project the entire UA form must be resubmitted with the changed, new or clarified information included.

OP-2 Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/administrative/tv_admin3_forms.html

Unit Attribute (UA) Form Table Instructions
Federal Operating Permit Program
Texas Commission on Environmental Quality

OP-UA (including OP-SUM and OP-REQ2) Form Instructions can be found at the link below:

https://www.tceq.texas.gov/permitting/air/forms/titlev/unit-attributes/air-all-ua-forms

Website Links:
Decision Support System https://www.tceq.texas.gov/permitting/air/titlev/decision-support-system Permitting Tools and Guidance for General Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/generalpermits/gop_experts.html Permitting Tools and Guidance for Site Operating Permits https://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

General Information

Requested Information	Response
Date:	11/07/2025
Customer Reference No.:	606187110
Regulated Entity No.:	109496638
Permit No.:	TBD
Permit Area Name:	Arrowhead Gas Plant
Permit Type:	SOP
Project Type:	Initial
Submission Type:	New Application
Project Number (if available):	TBD
Form Information	**TCEQ Entry Only**
Title V Form Release Date:	07/2022
Form Number:	10037
APD ID Number:	44v1.0
Version Revised Date:	07/2025
	This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table of Contents

Table	Regulation	Page	Data Submitted
N/A	N/A	OP-SUM Table 1	Yes
N/A	N/A	OP-REQ2	Yes
Table 1	30 TAC Chapter 112, Control of Air Pollution from Sulfur Compounds	Page 1	Yes
Table 2a	40 CFR Part 60, Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions	Page 2	Yes
Table 2b	40 CFR Part 60, Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions	Page 3	
Table 3	40 CFR Part 60, Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015	Page 4	Yes
Table 4	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015	Page 5	

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-SUM - Individual Unit Summary
Table 1

Unit AI	Revision No.	Process ID No.	Group ID No.	Process Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/ Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		PRO-AMINE		Amine Sweetening Unit	Y	A	Standard Permit	144703		
		PRO-AMINE2		Amine Sweetening Unit 2	Y	A	Standard Permit	144703		
		PRO-AMINE3		Amine Sweetening Unit 3	Y	A	Standard Permit	144703		
		PRO-AMINE4		Amine Sweetening Unit 4	Y	A	Standard Permit	144703		

Gas Sweetening/Sulfur Recovery Unit Attributes
Federal Operating Permit Program
Texas Commission on Environmental Quality

Form OP-REQ2 - Negative Applicable/Superseded Requirement Determinations

Unit AI	Revision No.	Process ID No.	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
		PRO-AMINE2	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Subject to NSPS OOOOb
		PRO-AMINE3	40 CFR Part 60, Subpart OOOOa	40 CFR §60.5365a(g)	Subject to NSPS OOOOb
		PRO-AMINE	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE2	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE3	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.
		PRO-AMINE4	40 CFR Part 60, Subpart LLL	40 CFR §60.640(d)	The Facility was constructed after August 23, 2011.

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-001	NO		
PRO-AMINE2	R112-001	NO		
PRO-AMINE3	R112-001	NO		
PRO-AMINE4	R112-001	NO		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions

Process ID No.	SOP/GOP Index No.	Onshore	Construction Date	Acid Gas Vented	Design Capacity
PRO-AMINE	60LLL-1	YES	11+		
PRO-AMINE2	60LLL-1	YES	11+		
PRO-AMINE3	60LLL-1	YES	11+		
PRO-AMINE4	60LLL-1	YES	11+		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 2b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart LLL: Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions

Process ID No.	SOP/GOP Index No.	Choosing to Comply With § 60.646(e)	Compliance Method	Control Device ID No.	Effluent Gas Oxygen Content

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

Process ID No.	SOP/GOP Index No.	Construction/ Modification Date	Onshore	Facility Type	Design Capacity	Compliance Method	Control Device ID No.
PRO-AMINE	60OOOOa-1	15+	YES	SWEET	2-		
PRO-AMINE4	60OOOOa-1	15+	YES	SWEET	2-		

Go to the Table of Contents

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 4: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Process ID No.	GOP Index No.	Construction/Modification Date	Onshore	Acid Gas Vented	Design Capacity	Choosing to Comply With §60.5407(e)	Compliance Method

Go to the Table of Contents

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE4 (Amine 4 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO4		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 4	TO4	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE3 (Amine 3 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO3		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 3	TO3	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE2 (Amine 2 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO2		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE 2	TO2	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: AMINE (Amine 1 Acid Gas Vent)		
Applicable Form: OP-UA10		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 144703		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum Combustion Temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
AMINE	TO	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG4		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG3		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG2		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: FL-AG		
Applicable Form: OP-UA7		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 111, Visible Emissions		
SOP/GOP Index No.: R1111-001		
Pollutant: PM (OPACITY)		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size: SM		
CAM/PM Option No.: PM-P-002		
Deviation Limit: Once per month, conduct an opacity observation. Visible emissions are a deviation.		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY4		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO4		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY4	TO4	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY3		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO3		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY3	TO3	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY2 (Still Vent BTEX Vapor Combustion)		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO2		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY2	TO2	Thermal Oxidizer

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: DEHY (Still Vent BTEX Vapor Combustion)		
Applicable Form: OP-UA62		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 63HH-1		
Pollutant: VOC		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-TI-001		
Deviation Limit: Minimum combustion temperature = 1400 F		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: TO		
Control Device Type: DIRFLM		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
DEHY	TO	Thermal Oxidizer

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
Texas Commission on Environmental Quality

I. Identifying Information
Account Number: WC0014E
Regulated Entity Number: RN 100215532
Customer Reference Number: CN 606187110
Permit Number: O-3186
Area Name: Mi Vida Treater Plant
Company Name: ET Gathering and Processing, LLC
II. Duly Authorized Representative Information
Action Type: ☒ New DAR Identification ☐ Administrative Information Change
Conventional Title: ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.
Name (Driver License/STEERS): Michael Crawford (ER011066)
Title: Director - Operations
Delegation Effective Date: 8/18/25
Telephone Number: 432-438-2509
Fax Number:
Company Name: ET Gathering & Processing, LLC
Mailing Address: 1706 S Midkiff Rd.
City: Midland
State: Texas
ZIP Code: 79701
Email Address: michael.crawford@energytransfer.com

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
Texas Commission on Environmental Quality

III. Certification of Truth, Accuracy, and Completeness

I, Christopher Thompson
(Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change)

Certify that, based on information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. (RO signature required for New DAR Identification only; DAR signature required for any Action Type)

Responsible Official Signature: _____

Date: 9-4-2025

Duly Authorized Representative Signature: _____

(Name(s) printed or typed) Michael Crawford

Date: 9-4-25

IV. Removal of Duly Authorized Representative(s)

The following should be removed as Duly Authorized Representative(s):

_____
(Name(s) printed or typed)

Effective Date: _____

Responsible Official Signature: _____

Date: _____

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
(Extension)
Texas Commission on Environmental Quality

V. Additional Identifying Information
Account Number: PE0042O
Regulated Entity Number: RN 100239698
Customer Reference Number: CN 606187110
Permit Number: O-3187
Area Name: Coyanosa Gas Plant
Account Number: PE0016P
Regulated Entity Number: RN 100210087
Customer Reference Number: CN 606187110
Permit Number: O-3146
Area Name: Gomez Gas Treating Facility
Account Number: PE0195L
Regulated Entity Number: RN 100213644
Customer Reference Number: CN 606187110
Permit Number: O-2617
Area Name: Gomez Compressor Station
Account Number: PE0027K
Responsible Official: RN 100218122
Customer Reference Number: CN 606187110
Permit Number: O-759
Area Name: Diamond Y Compressor Station
Account Number: RFA012L
Regulated Entity Number: RN 109496638
Customer Reference Number: CN 606187110
Permit Number: O-3947
Area Name: Arrowhead Gas Plant

Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
(Extension)
Texas Commission on Environmental Quality

V. Additional Identifying Information
Account Number: PE0024Q
Regulated Entity Number: RN 100211408
Customer Reference Number: CN 606187110
Permit Number: O-2546
Area Name: Waha Gas Plant
Account Number: CZ0012K
Regulated Entity Number: RN 100217843
Customer Reference Number: CN 606187110
Permit Number: O-3190
Area Name: Tippett Gas Plant
Account Number:
Regulated Entity Number: RN
Customer Reference Number: CN
Permit Number:
Area Name:
Account Number:
Responsible Official: RN
Customer Reference Number: CN
Permit Number:
Area Name:
Account Number:
Regulated Entity Number: RN
Customer Reference Number: CN
Permit Number:
Area Name:

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 11/07/2025	**Regulated Entity No.:** 109496638	**Permit No.:** TBA
Company Name: ET Gathering & Processing LLC		**Area Name:** Arrowhead Gas 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.*	

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: ET Gathering & Processing LLC
B.	Customer Reference Number (CN): **CN** 606187110
C.	Submittal Date *(mm/dd/yyyy)*: 11/07/2025
II.	**Site Information**
A.	Site Name: Arrowhead Gas Plant
B.	Regulated Entity Reference Number (RN): **RN** 109496638
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: Christopher Thompson		
RO Title: VP – Operations		
Employer Name: Energy Transfer Gathering & Processing LLC		
Mailing Address: 303 Veterans Airpark Ln		
City: Midland		
State: Texas		
ZIP Code: 79705		
Territory:		
Country: United States of America		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: 432-522-8909		
Fax No.:		
Email: christopher.thompson@energytransfer.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: James VanAssche	
Technical Contact Title: Sr. Engineer – Environmental	
Employer Name: Energy Transfer Gathering & Processing LLC	
Mailing Address: 8111 Westchester Dr	
City: Dallas	
State: Texas	
ZIP Code: 75225	
Territory:	
Country: United States of America	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 214-840-5217	
Fax No.:	
Email: james.vanassche@energytransfer.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: César Blanco	
B. State Representative: Eddie Morales	
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: Arrowhead Gas Plant
B.	Physical Address:
City:	
State:	
ZIP Code:	
C.	Physical Location: From Gamboa Rd & FM1776 in Coyanosa, go N 2.6 mi to FM1450, go W on FM1450 5.3 mi
& turn L on unnamed rd. Plant is approx. 1.4 mi S on W side of rd.	
D.	Nearest City: Coyanosa
E.	State: TX
F.	ZIP Code: 79730

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): 31° 17’ 27.94"
H.	Longitude (nearest second): -103° 9’ 10.08"
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: 71
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
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: Reeves County Library
B.	Physical Address: 315 S Oak St
City: Pecos, Texas	
ZIP Code: 79772	
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: Raymond Bradford	
Contact Mailing Address: 1706 South Midkiff Rd	
City: Midland	
State: Texas	
ZIP Code: 79701	
Territory:	
Country: United States of America	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 432-522-8654	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

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.: RFA012L	RN No.: 109496638	CN: 606187110
Permit No.: TBA	Project No.: TBA	
Area Name: Arrowhead Gas Plant		
Company Name: ET Gathering & Processing LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: GRP-ENG		
Applicable Form: OP-UA2		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 116		
SOP/GOP Index No.: 60JJJJ-COMPENG		
Pollutant: CO		
Main Standard: NSR-144703		
IV. Title V Monitoring Information		
Monitoring Type: CAM		
Unit Size: SM		
CAM/PM Option No.: CAM-CC-043		
Deviation Limit: Pre-catalyst temperature ≥ 750 F and ≤ 1250 F		
CAM/PM Option No.: CAM-CC-040		
Deviation Limit: Maximum CO emission rate of 0.80 g/bhp-hr		
V. Control Device Information		
Control Device ID No.: GRP-OXCAT		
Control Device Type: CATCNV		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 2)
Federal Operating Permit Program

Table 1b: CAM/PM Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
C-1	OXCAT-1	CATCNV
C-2	OXCAT-2	CATCNV
C-3	OXCAT-3	CATCNV
C-4	OXCAT-4	CATCNV
C-5	OXCAT-5	CATCNV
C-6	OXCAT-6	CATCNV
C-7	OXCAT-7	CATCNV
C-8	OXCAT-8	CATCNV
C-9	OXCAT-9	CATCNV
C-10	OXCAT-10	CATCNV
C-11	OXCAT-11	CATCNV
C-12	OXCAT-12	CATCNV
C-13	OXCAT-13	CATCNV
C-14	OXCAT-14	CATCNV

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Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☒ New Permit or Registration Application

☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Due to location of the site, there has been no significant public interest in prior permit actions.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

Texas Commission on Environmental Quality

Title V New

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARROWHEAD GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN109496638
What is the name of the Regulated Entity (RE)?	ARROWHEAD GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM GAMBOA RD & FM 1776 IN COYANOSA GO N 2.6 MI TO FM 1450 GO W ON FM 1450 5.3 MI & TURN L ON UNNAMED RD PLANT IS APPROX 1.4 MI S ON THE W SIDE OF THE RD
City	COYANOSA
State	TX
ZIP	79730
County	REEVES
Latitude (N) (##.######)	31.291094
Longitude (W) (-###.######)	-103.152799
Facility NAICS Code	211112
What is the primary business of this entity?	

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606187110
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	ET Gathering & Processing LLC
Texas SOS Filing Number	805195570
Federal Tax ID	

State Franchise Tax ID	32091185952
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	Christopher
Middle	
Last	Thompson
Suffix	
Credentials	
Title	VP - Operations
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	303 VETERANS AIRPARK LN
Routing (such as Mail Code, Dept., or Attn:)	
City	MIDLAND
State	TX
ZIP	79705
Phone (###-###-####)	4328522890
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Christopher.Thompson@EnergyTransfer.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Same as another contact?	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	Michael
Middle	
Last	Crawford
Suffix	
Credentials	
Title	Director - Operations
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	3627 FM 516 North
Routing (such as Mail Code, Dept., or Attn:)	
City	Barstow
State	TX
Zip	79719
Phone (###-###-####)	4328889118
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Michael.Crawford@EnergyTransfer.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	Energy Transfer Gathering & Processing LLC
Prefix	MR
First	James
Middle	
Last	VanAssche
Suffix	
Credentials	PE
Title	Sr. Engineer - Environmental
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	8111 WESTCHESTER DR
Routing (such as Mail Code, Dept., or Attn:)	
City	DALLAS
State	TX
ZIP	75225
Phone (###-###-####)	2148405217
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	James.VanAssche@EnergyTransfer.com

Title V General Information - New

1) Permit Latitude Coordinate:	31 Deg 17 Min 28 Sec
2) Permit Longitude Coordinate:	103 Deg 9 Min 10 Sec
3) Is this submittal a new application or an update to an existing application?	New Application
3.1. What type of Federal Operating Permit are you applying for?	SOP
3.2. Is this submittal an abbreviated or a full application?	Full
3.3. Is this application for a portable facility?	No

3.4. Is the site a non-major source subject to the Federal Operating Permit Program?	No
3.5. Are there any permits that should be voided upon issuance of this permit application through permit conversion?	Yes
3.5.1. Select from the list of active permits on the RN which are to be converted.	3946
3.6. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
4) Who will electronically sign this Title V application?	Duly Authorized Representative
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments New

Attach OP-1 (Site Information Summary)

[File Properties]

File Name	OP_1_12678391 ET Arrowhead OP-1 Form.pdf
Hash	F5267EAE1EFA811B19C0A08838C8ECCAC445A7F41FC887878E609D1804653C7B
MIME-Type	application/pdf

[File Properties]

File Name	OP_1_12678391 ET Arrowhead PIP 20960 Form.pdf
Hash	A8C25A1CB0FFD020DA890CDB4D53241FDF76296E118026175E3618446137F4C3
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name	OP_ACPS_12678391 ET Arrowhead OP-ACPS Form.pdf
Hash	87DCD11B432BFB859975C910A2C4C24B9C5B30784D4F96B6C7C7F4CB4E2F136F
MIME-Type	application/pdf

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

[File Properties]

File Name	OP_REQ1_12678391 ET Arrowhead OP-REQ1 Form.pdf
Hash	73B2684E55FCAAA6B23E336957739A59313C8E937B28C9619DE656916D2D956E
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name	OP_REQ3_12678391 ET Arrowhead OP-REQ3 Form - Table 1.pdf

Hash	E1395B317144DD6489D18944EDCFB1BE02D0B2785F6B60EBD96500B96CF81FDE
MIME-Type	application/pdf
[File Properties]	
File Name	OP_REQ3_12678391 ET Arrowhead OP-REQ3 Form-Table 2.pdf
Hash	C41B5C943770C38CC06B91EA08F93F7F1C285813D4F17E76B65576D6E555EAC2
MIME-Type	application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]	
File Name	OP_PBRSUP_OP_PBRSUP_12678391 ET Arrowhead OP-PBRSUP Form.pdf
Hash	B065C5E07F5C410EAB3BBB69E7E8857683F35A3CE30540300AE27EF4E8712D2F
MIME-Type	application/pdf

Attach OP-SUM (Individual Unit Summary)

Attach OP-MON (Monitoring Requirements)

[File Properties]	
File Name	OP_MON_12678391 ET Arrowhead OP-MON Form GRP-ENG.pdf
Hash	62AEF2C1F5A832046DA426D03A6A8B143D702E2FCBE522AF1FC3639D5349B7F7
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Hash	926A2877F1D8911FD8EC3923F202A4C50D0E5F2E153C4603A3F8BAFF400ABCC0
MIME-Type	application/pdf

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name 12678391 ET Arrowhead OP-UA10 Form.xlsx

Hash D897FEB6BAC35023B885FBA6024A7584AC7F6DE87662A9FC5B953B061A241BCA

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

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Hash 2210DED394DE2FC047574FA8FA543C8B0DBA367BE6895C673850F84AC35AE213

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

File Name 12678391 ET Arrowhead OP-UA2 Form.xlsx

Hash 08846EA544FAE52C779AE3EC9ACB349E709CE2B1E23992FCE5B9B3620BDD6B7D

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

File Name 12678391 ET Arrowhead OP-UA3 Form.xlsx

Hash 36EF126607934E128CC147A6D558097AD9BA01C40334894530BD02A344EE18BE

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

File Name 12678391 ET Arrowhead OP-UA6 Form.xlsx

Hash 232AAE83CE0CE02FAFDF44513157332A8752728CA44B4E0C517E786EB03E0F14

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

File Name 12678391 ET Arrowhead OP-UA62 Form.xlsx

Hash A14F081C4304F161166A74EF335577EF72621F04373BF90DC2A8C426482E015A

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

[File Properties]

File Name 12678391 ET Arrowhead OP-UA7 Form.xlsx

Hash 64866AFA30859FB60CF4A8B8F9A11499F23E952021D4D56AE1AF2AEA9CA81315

MIME-Type application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

[File Properties]

File Name	OP_DEL_Signed Crawford_OP-DEL.pdf
Hash	C6549EBB1B5C481CBA7DB7433249ABC37F56A4781B1BBCB1F50E1FEA700A6E1C
MIME-Type	application/pdf

Attach any other necessary information needed to complete the permit.

[File Properties]	
File Name	12678391 ET Arrowhead OP-MON Form DEHY.pdf
Hash	F011B514B18C330EB609A2E4D600336FFE0685EB2620D0B6514EA7A80921A627
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MIME-Type	application/pdf
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MIME-Type	application/pdf

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

[File Properties]	
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MIME-Type	application/pdf
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Hash	9B2F332A6FFE67EA0453AB688CAAA9A2CA1D2ADF984175A4C68DA7AF0605DDA9
MIME-Type	application/pdf
[File Properties]	
File Name	12678391 ETGP Arrowhead Title V SOP Initial Application V4.0_20251107.pdf
Hash	BD2997F3D36E8FAEC621EB89CB19201B0DB5F8CF7BE959477F39168CEEFAFB87
MIME-Type	application/pdf

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 Michael B Crawford, the owner of the STEERS account ER011066.
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 New.
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: Michael B Crawford OWNER OPERATOR

Account Number:	ER011066
Signature IP Address:	63.105.50.19
Signature Date:	2025-11-06
Signature Hash:	C57B12DF214D83E5A9DB1D022E723EC22D47136062008B20949A8235404767CE
Form Hash Code at time of Signature:	582684A2CAA6478809CD4A2FC41DDD09C54D1FAAAF4B8B36AFC8D0DA560CBCD4

Submission

Reference Number:	The application reference number is 832815
Submitted by:	The application was submitted by ER011066/Michael B Crawford
Submitted Timestamp:	The application was submitted on 2025-11-06 at 13:26:12 CST
Submitted From:	The application was submitted from IP address 63.105.50.19

Confirmation Number:	The confirmation number is 691108
Steers Version:	The STEERS version is 6.93

Additional Information

Application Creator: This account was created by Sarvan Hooghan