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: **RN102753670**	
CN: **CN603254707**	
Account No.: **HG-0542-V**	
Permit No.: **O1070**	
Project No.:	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals 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 Breazeale certify that I am the Duly Authorized Representative
(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 10/20/2025 to 10/22/2025
(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____
(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____
(Date 5) *(Date 6)*

Signature: _____ Signature Date: 10/22/2025

Title: General Manager

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
10/22/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215, T-214	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

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
10/22/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.472	09/04/2000
FRAC-BH	106.472	09/04/2000
FRAC-HP	106.472	09/04/2000
T-116	106.472	09/04/2000
T-148	106.472	09/04/2000
T-149	106.472	09/04/2000
T-238	106.472	09/04/2000
T-139	106.472	09/04/2000
T-121	106.472	09/04/2000
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
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
10/22/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000
T-129	106.472	09/04/2000
T-221	106.472	09/04/2000
T-222	106.472	09/04/2000
T-229	106.472	09/04/2000
T-200	106.472	09/04/2000
T-201	106.472	09/04/2000
T-103	106.472	09/04/2000

Permit By Rule Supplemental Table (Page 4)
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
10/22/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

Permit By Rule Supplemental Table (Page 5)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/22/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-132	106.261	166311	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215, T-214	106.261	76067	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SD-1	106.261	92215	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-200 & T-201	106.262	93189	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
TO-1, SD-1, T-103	106.261 & 106.262	95648	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
DSLTNK#8	106.412 & 106.472	09/04/2000	Monitor annual throughput of material loaded from tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-BH	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-HP	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 6)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/22/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-116	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-148	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-149	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-238	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-139	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-121	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-132	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 7)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/22/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC emissions do not exceed 25 tons per year, PM10 emissions do not exceed 15 tons per year and PM2.5 emissions do not exceed 10 tons per year.
E-GEN3, E-GEN4, E-GEN5, & E-GEN6	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
FWP	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
SITEWIDE	106.261	78525	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	81529	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	84543	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	87856	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-129	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-221	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-222	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-229	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

From: Thomas, Christian
To: Emily Knodell
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant
Date: Wednesday, October 22, 2025 3:27:28 PM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image007.png
image008.png
image009.png
image010.png
image011.png
image012.png
image013.png
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image016.png
image017.png
image018.png
image019.png
image020.png
image021.png
image022.png
image023.png
image024.png
20251022152131402.pdf
20250910_10_53_305.docx

Good afternoon Emily,

Please find the updated OP-PBRSUP as requested and scanned copy of the signed Op-CRO1.

The wet ink signature is being sent USPS certified # 7017 2620 0000 1430 9572.

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

KINDER MORGAN

Delivering Energy to Improve Lives

Do The Right Thing Every Day
1) Safety Will Not Be Compromised 2) Environmentally Compliant and Responsible Operator 3) Ethics and Integrity 4) Commitment to Employees and Resources 5) Customer Service and Fiscal Responsibility 6) Quality Focus

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, October 22, 2025 8:41 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

[This email message was received from the Internet and came from outside of Kinder Morgan.]

WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning Christian,

I have received your updates, thank you for sending. I will also keep an eye out for the wet ink signature Form OP-CRO1.

Thank you,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

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From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Wednesday, October 22, 2025 7:49 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning,

The wet ink signature OP-CRO1 was sent via USPS certified mail.

USPS # 9589 0710 5270 0443 4626 53

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Thomas, Christian
Sent: Monday, October 20, 2025 3:00 PM
To: 'Emily Knodell' <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Emily,

Please find the updated OP-PBRSUP and OP-SUMR attached as requested.

Kindly note that the original OP-CRO1 with wet ink signature was mailed in and we only have a copy. I have attached a new one certifying the period from May through today. I will send the tracking number once known.

Please let me know if you have any questions.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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1) Safety Will Not Be Compromised 2) Environmentally Compliant and Responsible Operator 3) Ethics and Integrity 4) Commitment to Employees and Resources 5) Customer Service and Fiscal Responsibility 6) Quality Focus

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, October 15, 2025 10:53 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

[This email message was received from the Internet and came from outside of Kinder Morgan.]

WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

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: **RN102753670**	
CN: **CN603254707**	
Account No.: **HG-0542-V**	
Permit No.: **O1070**	
Project No.:	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals 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 Breazeale certify that I am the Duly Authorized Representative

(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 05/16/2025 to 10/20/2025

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____

(Date 5) *(Date 6)*

Signature: _____ Signature Date: 10/20/2025

Title: General Manager

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
10/20/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215, T-214	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

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
10/20/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.472	09/04/2000
FRAC-BH	106.472	09/04/2000
FRAC-HP	106.472	09/04/2000
T-116	106.472	09/04/2000
T-148	106.472	09/04/2000
T-149	106.472	09/04/2000
T-238	106.472	09/04/2000
T-139	106.472	09/04/2000
T-121	106.472	09/04/2000
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
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
10/20/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000
T-129	106.472	09/04/2000
T-221	106.472	09/04/2000
T-222	106.472	09/04/2000
T-229	106.472	09/04/2000
T-200	106.472	09/04/2000
T-201	106.472	09/04/2000
T-103	106.472	09/04/2000

Permit By Rule Supplemental Table (Page 4)
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
10/20/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

Permit By Rule Supplemental Table (Page 5)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/20/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-132	106.261	166311	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215, T-214	106.261	76067	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SD-1	106.261	92215	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-200 & T-201	106.262	93189	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
TO-1, SD-1, T-103	106.261 & 106.262	95648	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
DSLTNK#8	106.412 & 106.472	09/04/2000	Monitor annual throughput of material loaded from tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-BH	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-HP	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 6)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/20/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-116	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-148	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-149	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-238	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-139	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-121	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-132	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 7)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/20/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC emissions do not exceed 25 tons per year, PM10 emissions do not exceed 15 tons per year and PM2.5 emissions do not exceed 10 tons per year.
E-GEN3, E-GEN4, E-GEN5, & E-GEN6	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
FWP	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
SITEWIDE	106.261	78525	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	81529	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	84543	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SITEWIDE	106.261	87856	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	1	B-3		Boiler 3		106.183/09/04/2000	
D	18	L-18		RAILCAR/TANK TRUCK LOAD STATION 18		2480A	
D	2	T-021		TANK #021		2480A	
D	2	T-022		TANK #022		2480A	
D	2	T-023		TANK #023		2480A	
D	2	T-024		TANK #024		2480A	
D	2	T-026		TANK #026		2480A	
D	18	T-239		STORAGE TANK 239		2480A	
D	18	T-240		STORAGE TANK 240		2480A	
D	18	T-241		STORAGE TANK 241		2480A	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	18	T-242		STORAGE TANK 242		2480A	
D	18	T-243		STORAGE TANK 243		2480A	
D	18	T-245		STORAGE TANK 245		2480A	
D	18	T-246		STORAGE TANK 246		2480A	
D	18	T-247		STORAGE TANK 247		2480A	
D	18	T-248		STORAGE TANK 248		2480A	
D	21	T-DIESEL		DIESEL DISPENSING TANK		106.473/09/04/2000	
D	21	T-GAS		GASOLINE DISPENSING TANK		106.473/09/04/2000	
A	14	DSLTNK#8	OP-UA3	DIESEL TANK		106.412/09/04/2000	
A	15	FRAC-BH	OP-UA3	FRAC TANK-BOILER HOUSE		106.472/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	16	FRAC-HP	OP-UA3	FRAC TANK-HOSE PIT		106.472/09/04/2000	
A	19	GEN-GPWC3	OP-UA2	1368 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	GEN-GPWC4	OP-UA2	1341 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	GEN-GPWC5	OP-UA2	2012 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	ENG-4	OP-UA2	453 HP DIESEL FIRE WATER PUMP		106.511/09/04/2000	
A	20	263MSS		MAINTENANCE, STARTUP, AND SHUTDOWN EMISSIONS		106.263/11/01/2001	
A		T-129		STORAGE TANK 129		106.472/09/04/2000	
A		T-221		STORAGE TANK 221		106.472/09/04/2000	
A		T-222		STORAGE TANK 222		106.472/09/04/2000	
A		T-229		STORAGE TANK 229		106.472/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A		SD-1		SHIP DOCK 1		106.261/11/01/2003[95648]	
A		T-215		STORAGE TANK 215		106.261/11/01/2003[76067]	

Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	D	GRPPREK2
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	A	GRPFIXED
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	D	GRPKB

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	A	GRPFIXED
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	D	GRPK
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	A	GRPFIXED
6	T-212	OP-UA3, OP-REQ2	D	GRPKB2
6	T-212	OP-UA3, OP-REQ2	A	GRPFIXED
7	T-148	OP-UA3, OP-REQ2	D	GRPPREK2
8	T-199, T-202	OP-UA3, OP-REQ2	D	GRPKB
8	T-199, T-202	OP-UA3, OP-REQ2	A	GRPIFR
9	T-210, T-211	OP-UA3, OP-REQ2	D	GRPKB2
9	T-210, T-211	OP-UA3, OP-REQ2	A	GRPIFR

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
10/20/2025	O-1070	RN102753670

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.
You are very welcome! Please let me know if you have any questions along the way.

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Wednesday, October 15, 2025 10:50 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Thanks Emily!

I can make that happen. I really appreciate your flexibility.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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1) Safety Will Not Be Compromised 2) Environmentally Compliant and Responsible Operator 3) Ethics and Integrity 4) Commitment to Employees and Resources 5) Customer Service and Fiscal Responsibility 6) Quality Focus

---

From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, October 15, 2025 10:47 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.
Good morning Christian,

We can grant an extension, but I really need the updates by COB Monday October **10/20/2025**. My management wants me to have the public notice package mailed out to you before the end of the month. Please let me know if this works for you.

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Wednesday, October 15, 2025 10:24 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning Emily,

I apologize as I've been tied up with an audit this week and haven't been able to make the requested changes. Would it be possible to extend the deadline by one week, 10/22/2025?

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Friday, October 10, 2025 2:14 PM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

This email message was received from the Internet and came from outside of Kinder Morgan.]

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Good afternoon,

During management review, the following items were found. Please resolve by **10/15/2025.**

1. **Form OP-PBRSUP:** multiple updates are needed for Form OP-PBRSUP (dated 10/02/2025), which may also require the OP-SUMR to be updated. Please see notes below and screenshots for ease of reference.
    a. The four SITEWIDE rows on Table A do not have monitoring listed in Table D. Per the OP-PBRSUP instructions, Table D provides the monitoring and/or recordkeeping requirements sufficient to demonstrate compliance for the registered and claimed PBRs identified in Tables A & B. Please add monitoring for the four SITEWIDE rows into Table D.

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

b. **Unit ID TO-1:** This unit shows up on Table A with PBRs 106.261/11/01/2003 & 106.262/12/24/1998 and PBR Registration No. 95648. TO-1 shows up on Table B with PBRs 106.261/09/04/2000 & 106.262/09/04/2000. The draft permit only has the PBRs from Table A authorizing TO-1. If the PBRS on Table B also authorize TO-1, please add them to the OP-SUMR. If not, please remove that line item from Table B.

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

Permit By Rule Supplemental Table (Page 3)
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
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000
TO-1	106.261 & 106.262	09/04/2000
T-129	106.472	09/04/2000
T-221	106.472	09/04/2000
T-222	106.472	09/04/2000
T-229	106.472	09/04/2000
T-200	106.472	09/04/2000
T-201	106.472	09/04/2000
T-103	106.472	09/04/2000

c. **Unit IDs T-129, T-221, T-222, & T-229**: These units show up on both Tables A & B with two different PBRS. Table A has them under 106.261/11/01/2003 [76067]. The PBR listed on Table B for all four units is PBR 106.472/09/04/2000, but that PBR doesn't show up in the draft permit as authorizing these units, only the one from Table A. If PBR 106.472/09/04/2000 also authorizes these units, please add them to the OP-SUMR and we will revise the draft permit. If this was a mistake, please remove these line items from Table B.

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

Permit By Rule Supplemental Table (Page 3)
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
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000
TO-1	106.261 & 106.262	09/04/2000
T-129	106.472	09/04/2000
T-221	106.472	09/04/2000
T-222	106.472	09/04/2000
T-229	106.472	09/04/2000
T-200	106.472	09/04/2000
T-201	106.472	09/04/2000
T-103	106.472	09/04/2000

d. **Unit ID SD-1:** This unit is listed on Table A for PBR 106.261/11/01/2003 [92215] and for PBRS 106.261 & 106.262 [95648]. The draft permit only lists PBR 106.261/11/01/2003 [92215] and PBR 106.262/12/24/1998 [95648]. If PBR 106.261 [95648] also authorizes this unit, please add it to the OP-SUMR. If not, please remove it from Table A and put SD-1 on its own line.

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

e. **Unit ID T-214:** This Unit has a PBR registration number listed in the draft permit, 106.261/11/01/2003 [76067], but the unit is not listed on Table A. Please add it to Table A as well as its monitoring requirements to Table D.

f. **Unit ID T-215:** This Unit has a PBR registration number listed on Table A but is not listed in the draft permit. Please add it using Form OP-SUMR and I will revise the draft permit.

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

Please submit a revised OP-PBRSUP in full, including tables A, B, C, and D with matching dates on each table. (No table should be blank, but "none" or "NA" can be used on a table as appropriate, this allows the public to know a table was not inadvertently left out and that the site is not using any insignificant PBRs). Please remember that the date in the top left corner *must* match on each table, as this is a commonly missed item.

2. **Form OP-CRO1:** Please mail me the original OP-CRO1 from 07/16/2025. I did receive the physical copy of the one signed 05/20/2025, but I did not receive the later one. Per our Form OP-CRO1 instructions, if updates are submitted through email, an electronic copy of Form OP-CRO1 must accompany the submittal followed by the hard copy original being mailed to the permit reviewer.

3. **Form OP-SUMR:** For any of the units you need to add to Form OP-SUMR, please add them in the format as detailed below.

Form OP-SUMR Instructions

Note: If units authorized by PBRs are being added or deleted or PBR registration numbers are being added or deleted, these changes must also be identified on Form OP-PBRSUP.

Format	PBR/Standard Exemption Claimed or Registered Date
~~106.*XXX/MM/DD/YYYY[rrrr]*~~	Authorized on or after March 14, 1997 (except 106.181 is on or after December 27, 1996)
XXX/MM/DD/YYYY[rrrr]	Authorized prior to March 14, 1997
Format	*XXX* = 30 TAC Chapter 116 standard exemption number or 30 TAC Chapter 106 PBR number.

~~*MM/DD/YYYY*~~ = Standard exemption or PBR effective date, approval date, or modification completion date.
Information on Chapter 116 version dates is available at
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html.

Information on Chapter 106 version dates is available at
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html.
~~*[rrrr]* =~~ *Registration number for the authorization. If multiple registration numbers apply, list them separated by commas. Examples: Standard exemptions and PBRs would be reflected in Form OP-SUMR as follows:*

Let me know if you have questions. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Tuesday, October 7, 2025 1:14 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Emily,

Please find the attached OP-REQ1 (Page 89) as requested.

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, October 7, 2025 8:03 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Date	Permit No.	Regulated Entity No.
10/07/2025	O-1070	RN102753670

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
2480A	06/24/2022				

♦ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003				
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

♦ **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

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Good morning Christian and Dayu,

Please resolve the items below by **10/10/2025.**

1. **Form OP-REQ1 (Page 89):** There are many PBRS listed in our database that are not listed on the latest Form OP-REQ1 (Page 89) that was submitted, and they also have incorrect Version Nos/dates. I am looking at the latest version (dated 07/16/2025). I think the Registration Date for the PBRs as listed in the OP-PBRSUP is getting confused with the Version Nos/dates. The previous OP-REQ1 (Page 89) dated 05/24/2024 was already correct as it was and didn't need to be revised, we just needed the PBRs which appeared in it to also be in the OP-PBRSUP. I have listed both of them below for reference. Please note that only Page 89 is needed for this update and not the entire OP-REQ1.

    - 106.473/09/04/2000
    - 106.261/12/24/1998
    - 106.262/12/24/1998
    - 106.264/03/14/1997
    - 106.472/03/14/1997
    - 106.478/03/14/1997
    - 106.511/03/14/1997
    - 106.183/09/04/2000
    - 106.261/11/01/2003
    - 106.262/11/01/2003

Latest OP-REQ1 (dated 07/16/2025)

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

♦ 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 XIII.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
2480A	06/24/2022				

♦ **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
106.261	07/27/2021	106.261	06/29/2011		
106.261	06/14/2005	106.262	06/29/2011		
106.261	04/14/2006	106.472	09/04/2000		
106.261	04/30/2007	106.412	03/14/1997		
106.261	04/16/2008	106.263	11/01/2001		
106.261	04/30/2009	106.511	09/04/2000		
106.261	04/12/2010	106.183	09/04/2000		
106.262	09/08/2010				

♦ **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

TCEQ - 10043 (APD-ID103v1, Revised 08/24) OP-REQ1
This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V IMS Release 08/24)

Page 89 of 89

Previous OP-REQ1 (Page 89) that was correct

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

♦ 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 XIII.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
2480A	06/24/2022				

♦ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003	~~106.511~~	~~09/04/2000~~		
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

♦ **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

TCEQ - 10043 (APD-ID103v1, Revised 08/24) OP-REQ1
This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V IMS Release 08/24)

Page 89 of 89

Please let me know if you have any questions.

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Thursday, October 2, 2025 1:25 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>

Date	Permit No.	Regulated Entity No.
10/07/2025	O-1070	RN102753670

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
2480A	06/24/2022				

♦ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003				
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

♦ **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

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

Date	Permit No.	Regulated Entity No.
10/02/2025	O-1070	RN102753670

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	NSPS K	§60.113(d)(1)	Vapor pressure of the material stored is less 1.0 psia or 6.9 kPa.
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	NSPS Ka	§60.115a(d)(1)	Vapor pressure of the material stored is less 1.0 psia or 6.9 kPa.
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	NSPS Kb	§60.110b(b)	Vapor pressure of the material stored is less than 0.51 psia or 3.5 kPa.
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	40 CFR 61 Subpart Y	§61.270(a)	Material stored does not contain benzene.
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	MACT R	§63.423(a)	Tank does not store gasoline.
	3,4,5,6	GPFIXED	OP-SUMR, OP-REQ2	MACT EEEE	§63.2334(a)	Tank does not store material that contains 5% by weight or greater of the listed organic HAPs.

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Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: HG-0542-V	RN No.: RN102753670	CN: CN603254707
Permit No: O1070	Project No.: 36676	
Area Name: Galena Park West Chemical Plant		
Company Name: KM Liquid Terminals LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: GRPBLR		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117		
SOP/GOP Index No.: R7301-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: 400 ppmv at 3.0% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: ppmv CO	Minimum Frequency: Annually	
Averaging Period: N/A		
Periodic Monitoring Text: See attachment for full text		

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
10/02/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

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
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.472	09/04/2000
FRAC-BH	106.472	09/04/2000
FRAC-HP	106.472	09/04/2000
T-116	106.472	09/04/2000
T-148	106.472	09/04/2000
T-149	106.472	09/04/2000
T-238	106.472	09/04/2000
T-139	106.472	09/04/2000
T-121	106.472	09/04/2000
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
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
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000
TO-1	106.261 & 106.262	09/04/2000
T-129	106.472	09/04/2000
T-221	106.472	09/04/2000
T-222	106.472	09/04/2000
T-229	106.472	09/04/2000
T-200	106.472	09/04/2000
T-201	106.472	09/04/2000
T-103	106.472	09/04/2000

Permit By Rule Supplemental Table (Page 4)
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
10/02/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

Permit By Rule Supplemental Table (Page 5)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-132	106.261	166311	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	106.261	76067	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SD-1	106.261	92215	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-200 & T-201	106.262	93189	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
TO-1, SD-1, T-103	106.261 & 106.262	95648	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
DSLTNK#8	106.412 & 106.472	09/04/2000	Monitor annual throughput of material loaded from tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-BH	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-HP	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 6)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-116	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-148	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-149	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-238	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-139	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-121	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
T-132	106.472	09/04/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 7)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
10/02/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC emissions do not exceed 25 tons per year, PM10 emissions do not exceed 15 tons per year and PM2.5 emissions do not exceed 10 tons per year.
E-GEN3, E-GEN4, E-GEN5, & E-GEN6	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
FWP	106.511	09/04/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.

From: Emily Knodell
To: Thomas, Christian
Cc: Zhang, Dayu
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant
Date: Friday, October 3, 2025 9:14:12 AM
Attachments: image015.png
image016.png
image017.png
image018.png
image019.png
image020.png
image021.png
image022.png
image023.png
image024.png
image025.png
image026.png
image027.png

Received, thank you!

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Thursday, October 2, 2025 1:25 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Emily,

Please find the updated forms as requested.

In response to Question 3: Both boilers (B1 and B2) are just steam generating units and not control devices. I have included an updated OP-MON table.

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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---

From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, September 30, 2025 11:42 AM
To: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Cc: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

[This email message was received from the Internet and came from outside of Kinder Morgan.]

WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning Dayu,

Sorry for the delay on this. My TL and technical specialist and I looked further into the flowcharts for the rule, and we have made the determination that what you have originally for Form OP-REQ2 can be considered correct with a few minor modifications. Please resolve the items below by **10/03/2025.**

1. **Form OP-REQ2:** Permit Shield Table – Group ID GRPFIXED – NSPS K, Ka, & Kb – Please update the citation for GRPFIXED, NSPS Kb to 60.110b(b) and for the negative applicability reasons on all three rules, please include kilopascals (kPa) so it matches the rule language more closely. You can keep the psia and include both the psia and kilopascals or just have kilopascals.

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

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS K	§60.113(d)(1)	Vapor pressure of the material stored is less than 1.0 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Ka	§60.115a(d)(1)	Vapor pressure of the material stored is less than 1.0 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Kb	~~§60.115b(b)~~ 60.110b(b)	Vapor pressure of the material stored is less than 0.51 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	40 CFR 61 Subpart Y	§61.270(a)	Material stored does not contain benzene.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT R	§63.423(a)	Tank does not store gasoline.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT EEEE	§63.2334(a)	Tank does not store material that contains 5 percent by weight or greater of the listed organic HAPs.

2. **Form OP-PBRSUP:** There is still text cut off in the second cell of Table A and the second cell of Table D. I would suggest using the Microsoft Word Version and filling it out there. When I clicked on this to test it out, it allows me to expand the cells as needed just by hitting enter on the keyboard. I have attached the word version of the OP-PBRSUP form to my email. Please submit a revised OP-PBRSUP in full, including tables A, B, C, and D with matching dates on each table. (No table should be blank, but "none" or "NA" can be used on a table as appropriate, this allows the public to know a table was not inadvertently left out and that the site is not using any insignificant PBRs). Please remember that the date in the top left corner *must* match on each table, as this is a commonly missed item. See example image below.

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

This date must match on each Table.

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

3. **Form OP-MON**: In the previous email, we wanted to know if B2 was also a control device, but you mentioned it wasn't and that it is a boiler for steam generating. Could you please expand on this? We are not sure what is meant by B1 being a control device but not B2.

Please let me know if you have any questions.

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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
07/16/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	03/14/1997
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	03/14/1997
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-149	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-238	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-139	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-121	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-132	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC e
E-GEN3, E-GEN4, E-GEN	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating
FWP	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating

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

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPIFR	60Kb-100	PTLQ-3	40K+	NONE	0.75-11.1	IFR-SL				
GRPIFR	60Kb-105	PTCD-AF3	40K+	NONE	0.5-					
GRPIFR	60Kb-106	PTCD-AF3	40K+	NONE	0.5-0.75	IFR-SL				
GRPIFR	60Kb-107	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-SL				
GRPIFR	60Kb-112	CRUD-AF3	40K+	NONE	0.5-					
GRPIFR	60Kb-113	CRUD-AF3	40K+	NONE	0.5-0.75	IFR-SL			CR2-	
GRPIFR	60Kb-114	CRUD-AF3	40K+	NONE	0.75-11.1	IFR-SL			CR2-	
GRPIFR	60Kb-22	VOL	40K+	NONE	0.5-					
GRPIFR	60Kb-28	VOL	40K+	NONE	0.5-0.75	IFR-SL				
GRPIFR	60Kb-32	VOL	40K+	NONE	0.75-11.1	IFR-SL				
DSLTNK#8	60Kb-10K	PTLQ-3	10K-							
FRAC-BH	60Kb-10K	PTLQ-3	10K-							
FRAC-HP	60Kb-10K	PTLQ-3	10K-							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPFIXED	R5112-094	NO		OIL1	B40K+			
GRPIFR	R5112-101	NO		OIL1	B40K+			
GRPIFR	R5112-069	NO		VOC1	A40K+			
T-148	R5112-101	NO		OIL1	B40K+			
T-148	R5112-069	NO		VOC1	A40K+			
DSLTNK#8	R5112-1000	NO		VOC1	A1K-			
FRAC-BH	R5112-1000	NO		VOC1	A1K-			
FRAC-HP	R5112-1000	NO		VOC1	A1K-			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program
Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPFIXED	R5112-094		NONE1	1-				
GRPIFR	R5112-094		NONE1	1-				
GRPIFR	R5112-095		NONE1	1-1.5				
GRPIFR	R5112-101		IFR1	1.5+A				
GRPIFR	R5112-069		IFR1	1.5+A				
T-148	R5112-094		NONE1	1-				
T-148	R5112-095		NONE1	1-1.5				
T-148	R5112-101		IFR1	1.5+A				
T-148	R5112-069		IFR1	1.5+A				

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 6)
Federal Operating Permit Program
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)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

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
GRPIFR	63R-004	20K+	NO		IFR-SL			YES	
T-148	63R-004	20K+	NO		IFR-SL			YES	
DSLTNK#8	63R-016	20K-							
FRAC-BH	63R-016	20K-							
FRAC-HP	63R-016	20K-							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 7)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

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.
GRPIFR	61Y-004	BENZ	10K+	YES			IFR2		
T-148	61Y-004	BENZ	10K+	YES			IFR2		
DSLTNK#8	61Y-270	OTHER							
FRAC-BH	61Y-270	OTHER							
FRAC-HP	61Y-270	OTHER							

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From: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Sent: Wednesday, September 3, 2025 11:24 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily
Please find our response below. Feel free to contact me if you have any questions. Thanks!

1. **Form OP-REQ2:** Permit Shield Table – Group ID GRPFIXED – NSPS K, Ka, & Kb – The citations you listed in NSPS K & Ka only exempt the group from monitoring. The citation you listed for NSPS Kb only exempts the group from reporting and recordkeeping requirements. Please use the first citation in each rule (60.110) – Applicability and designation of affected facility – to establish the citation and negative applicability reason to the rule. Also, the K-series is based on dates, so if the construction, reconstruction, or modification dates are too old for all three rules, only the first rule needs to be listed. Also, for these units to be in a group, their negative applicability reasons must be identical. If they have varying dates, we will need to take them out of the group and divide them out by which date they would fall under. Please send a revised Form OP-REQ2.

    - NSPS K – 60.113(d)(1) – Monitoring of operations. The following are exempt from the requirements of this section.
    - NSPS Ka – 60.115a(d)(1) – Monitoring of operations. The following are exempt from the requirements of this section.
    - NSPS Kb – 60.115b – Reporting and recordkeeping requirements.

See revised OP-REQ2 form attached. Since K, Ka and Kb all specify product type in the rule title, I used the stored product type as negative applicability reason. Please let me know if you have any other suggestions.

2. **Form OP-REQ2:** Permit Shield Table – GRPBLR – NSPS D, Da, Db, & Dc – The D-series is based on dates, so if the construction or modification dates are too old for all four rules, only the first rule needs to be listed. During renewals, we look to streamline the permit shields, and it is a necessary process. Are you okay if we remove NSPS Da, Db, & Dc permit shields for GRPBLR from the permit?

Yes, Please remove NSPS Da, Db & Dc permit shields for GRPBLR from the permit.

3. **Form OP-PBRSUP:**
    a. There are 7 emission units listed on Table B and 8 listed on Table D, plus the emission Unit IDs don't seem to match between the two tables. The count and the emission unit IDs must match exactly between the two tables.

Additional emission Unit IDs were added to OP-PBRSUP-Table page 2 and page 3 files as attached.

    b. Please try again to expand the cells in Table D. The unit IDs and the Monitoring Requirements are cut off and we need to see the entire cell for each item. Having the information cut off like this could cause a public comment.

After our discussion, I realized that both unit IDs and Monitoring Requirements were cut off in the submitted file. In the attached forms, I included the original fillable version instead of the printed version. You should be able to scroll through all the text on the form. Please let me know if you run into any issues.

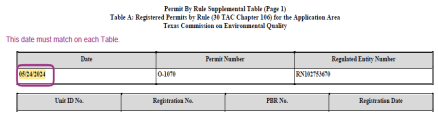
    c. The OP-PBRSUP dated 07/16/2025 doesn't have any emission units listed on Table A (registered PBRs) when there are registered PBRs in the draft permit on the New Source Review Authorization References by Emissions Unit Table. The majority of the emission units authorized by a PBR listed in the New Source Review Authorization References by Emissions Unit Table don't show up on the OP-PBRSUP table. I see the following Unit IDs in the draft permit on the New Source Review Authorization References by Emissions Unit Table that have registered PBRS which need to be on Table A of Form OP-PBRSUP:

    - SD1, T-103, T-122, T-129, T-132, T-147, T-152, T-200, T-201, T-204, T-205, T-206, T-209, T-214, T-221, T-222, T-229, T-233, T-235, T-236, and TO-1.

Table A has been updated in the attached form.

Please submit a revised OP-PBRSUP in full, including tables A, B, C, and D with matching dates on each table. (No table should be blank, but "none" or "NA" can be used on a table as appropriate, this allows the public to know a table was not inadvertently left out and that the site is not using any insignificant PBRs). Please remember that the date in the top left corner *must* match on each table, as this is a commonly missed item. See example image below.

See revised OP-PBRSUP form attached. Somehow Adobe doesn't allow me to combine additional pages into one document. I had to attach the additional pages as separate files. I apologize for the inconvenience.



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

This date must match on each Table.

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

4. **Form OP-MON:** Is B2 also a control device? It makes sense that if you have a group of two boilers and the OP-MON has one boiler listed as a control device, the other boiler would also be a control device. If so, please update the OP-MON.

B2 is not a control device. It's a boiler for steam generating.

5. **Unit ID 263MSS:** MSS is an activity, not an emission unit. We do not permit activities, and therefore this does not need to be in the permit and will be removed.

Please remove it from the application.

6. **Form OP-UA3 (Unit ID T-148):** Is there any difference between the two operating scenarios as highlighted below? The UA data is identical with the exception of the Index Number. Index numbers are used to differentiate different operating scenarios for the same rule and if they are the same, one can be removed. Please send a revised Form OP-UA3 with the row you would like to delete struck out.

We don't see different operating scenarios for GRPIFR and T-148 under 61Y. Please find revised OP-UA3 form with SOP Index 61Y-021 removed.

From: Zhang, Dayu
Sent: Wednesday, September 3, 2025 9:36 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily, It was nice talking to you! As we discussed, can you please let me know if we can determine negative applicability for NSPS K series based on stored products? All tanks under GRPFIXED are fixed roof tanks. Regardless of year of construction, they don't have the capability of storing high VP products. Our proposed revision is as below. Thanks!

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS K §60.110(b)	§60.110	Tank does not store petroleum liquids or VOLs with a maximumTVP over 3.5 kPa.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Ka §60.110a(b)	§60.110a	
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Kb §60.110b(b)	§60.110b	
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	40 CFR 61 Subpart Y	§61.270(a)	Material stored does not contain benzene.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT R	§63.423(a)	Tank does not store gasoline.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT EEEE	§63.2334(a)	Tank does not store material that contains 5 percent by weight or greater of the listed organic HAPs.

Dayu

From: Zhang, Dayu
Sent: Wednesday, September 3, 2025 8:18 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily, No problem. 9:00 to 9:40 would work for me. My main question is regarding Form OP-REQ2 for GRPFIXED. I would rather not to break the group apart based on the construction dates as it's not very streamlined. I have drafted a negative applicability reason and would like to review with you before submitting it. I will send you the meeting invite. Thanks!

Dayu

From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, September 3, 2025 8:04 AM
To: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Good morning Dayu,

Sorry for the delayed response, I was out of office yesterday. I am available today anytime 8a-11:30a or 12:15p-3. Which of the items are you struggling with? I can see if my team leader is available to also sit in on the meeting.

Let me know if you have additional questions. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Sent: Tuesday, September 2, 2025 1:15 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily, Christian is currently out of office and I'm working on responding to your questions. Do you have time tomorrow for a quick discussion? I can send you a meeting invite once I have your availability. Thanks!

Dayu Zhang
Manager – Air Permitting and Compliance
713.450.7406
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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Thursday, August 28, 2025 11:41 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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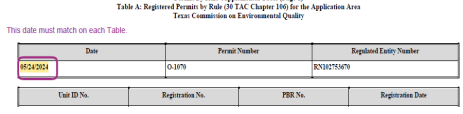
Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning Christian,

During management review, the following issues were found. Please resolve by **09/04/2025.**

1. **Form OP-REQ2:** Permit Shield Table – Group ID GRPFIXED – NSPS K, Ka, & Kb – The citations you listed in NSPS K & Ka only exempt the group from monitoring. The citation you listed for NSPS Kb only exempts the group from reporting and recordkeeping requirements. Please use the first citation in each rule (60.110) – Applicability and designation of affected facility – to establish the citation and negative applicability reason to the rule. Also, the K-series is based on dates, so if the construction, reconstruction, or modification dates are too old for all three rules, only the first rule needs to be listed. Also, for these units to be in a group, their negative applicability reasons must be identical. If they have varying dates, we will need to take them out of the group and divide them out by which date they would fall under. Please send a revised Form OP-REQ2.
    - NSPS K – 60.113(d)(1) – Monitoring of operations. The following are exempt from the requirements of this section.
    - NSPS Ka – 60.115a(d)(1) – Monitoring of operations. The following are exempt from the requirements of this section.
    - NSPS Kb – 60.115b – Reporting and recordkeeping requirements.
2. **Form OP-REQ2:** Permit Shield Table – GRPBLR – NSPS D, Da, Db, & Dc – The D-series is based on dates, so if the construction or modification dates are too old for all four rules, only the first rule needs to be listed. During renewals, we look to streamline the permit shields, and it is a necessary process. Are you okay if we remove NSPS Da, Db, & Dc permit shields for GRPBLR from the permit?
3. **Form OP-PBRSUP:**
    a. There are 7 emission units listed on Table B and 8 listed on Table D, plus the emission Unit IDs don't seem to match between the two tables. The count and the emission unit IDs must match exactly between the two tables.
    b. Please try again to expand the cells in Table D. The unit IDs and the Monitoring Requirements are cut off and we need to see the entire cell for each item. Having the information cut off like this could cause a public comment.
    c. The OP-PBRSUP dated 07/16/2025 doesn't have any emission units listed on Table A (registered PBRs) when there are registered PBRs in the draft permit on the New Source Review Authorization References by Emissions Unit Table. The majority of the emission units authorized by a PBR listed in the New Source Review Authorization References by Emissions Unit Table don't show up on the OP-PBRSUP table. I see the following Unit IDs in the draft permit on the New Source Review Authorization References by Emissions Unit Table that have registered PBRS which need to be on Table A of Form OP-PBRSUP:
        - SD1, T-103, T-122, T-129, T-132, T-147, T-152, T-200, T-201, T-204, T-205, T-206, T-209, T-214, T-221, T-222, T-229, T-233, T-235, T-236, and TO-1.

    Please submit a revised OP-PBRSUP in full, including tables A, B, C, and D with matching dates on each table. (No table should be blank, but "none" or "NA" can be used on a table as appropriate, this allows the public to know a table was not inadvertently left out and that the site is not using any insignificant PBRs). Please remember that the date in the top left corner *must* match on each table, as this is a commonly missed item. See example image below.


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

This date must match on each Table.

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

4. **Form OP-MON:** Is B2 also a control device? It makes sense that if you have a group of two boilers and the OP-MON has one boiler listed as a control device, the other boiler would also be a control device. If so, please update the OP-MON.
5. **Unit ID 263MSS:** MSS is an activity, not an emission unit. We do not permit activities, and therefore this does not need to be in the permit and will be removed.
6. **Form OP-UA3 (Unit ID T-148):** Is there any difference between the two operating scenarios as highlighted below? The UA data is identical with the exception of the Index Number. Index numbers are used to differentiate different operating scenarios for the same rule and if they are the same, one can be removed. Please send a revised Form OP-UA3 with the row you would like to delete struck out.

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	03/14/1997
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
07/16/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-149	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-238	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-139	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-121	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-132	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC e
E-GEN3, E-GEN4, E-GEN	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating
FWP	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating

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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
07/16/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	03/14/1997
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
07/16/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-149	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-238	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-139	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-121	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-132	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC e
E-GEN3, E-GEN4, E-GEN	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating
FWP	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating

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Storage Tank/Vessel Attributes
Form OP-UA3 (Page 7)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPIFR	61Y-004	BENZ	10K+	YES			IFR2		
GRPIFR	61Y-021	BENZ	10K+	YES			IFR2		
T-148	61Y-004	BENZ	10K+	YES	No		IFR2		
T-148	61Y-021	BENZ	10K+	YES	No		IFR2		
DSLTNK#8	61Y-270	OTHER							
FRAC-BH	61Y-270	OTHER							
FRAC-HP	61Y-270	OTHER							

T-148	STORAGE TANKS/VESSELS	N/A	61Y-004	40 CFR Part 61, Subpart Y	No changing attributes.
T-148	STORAGE TANKS/VESSELS	N/A	61Y-021	40 CFR Part 61, Subpart Y	No changing attributes.

Please let me know if you have any questions. Thank you.

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Friday, July 25, 2025 11:06 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning Emily,

If I click the + button it does not alter the document at all. However, here is the full text in that cell of the table "T-129, T-221, T-222, T-229, T-233,T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215"

I have attached both copies of the OP-PBRSUP documents that I combined as there was not space on the original to include all the information required.

Please let me know if you have any questions or concerns.

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Friday, July 25, 2025 10:47 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Good morning Christian,

Thank you for sending the updates.

One quick question, could you please expand the cell highlighted in the image below for the OP-PBRSUP Table A? There is a box in the bottom right hand corner of the highlighted cell that looks like it needs to be expanded so I can see all the units. Please send me just Table A again.

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
07/16/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

Thank you,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

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.
07/16/2025	O-1070	RN102753670

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
2480A	06/24/2022				

♦ **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
106.261	07/27/2021	106.261	06/29/2011		
106.261	06/14/2005	106.262	06/29/2011		
106.261	04/14/2006	106.472	09/04/2000		
106.261	04/30/2007	106.412	03/14/1997		
106.261	04/16/2008	106.263	11/01/2001		
106.261	04/30/2009	106.511	09/04/2000		
106.261	04/12/2010	106.183	09/04/2000		
106.262	09/08/2010				

♦ **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

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: RN102753670	
CN: CN603254707	
Account No.: HG0542V	
Permit No.: O-1070	
Project No.:	
Area Name: Galena Park West Chemical Plant	
Company Name: KM Liquids Terminals CC	
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

IV. Certification of Truth

This certification does not extend to information which is designated by TCEQ as information for reference only.

I, Marlin Collins certify that I am the Duly Authorized Representative (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 05/16/2025 to 07/16/2025

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____

(Date 5) *(Date 6)*

Signature: _____ Signature Date: 7/16/25

Title: General Manager

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
07/16/2025	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	07/27/2021
T-129, T-221, T-222, T-229, T-233,T-2	76067	106.261	06/14/2005
SITEWIDE	78525	106.261	04/14/2006
SITEWIDE	81529	106.261	04/30/2007
SITEWIDE	84543	106.261	04/16/2008
SITEWIDE	87856	106.261	04/30/2009
SD-1	92215	106.261	04/12/2010
T-200 & T-201	93189	106.262	09/08/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	06/29/2011

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.472	09/04/2000
FRAC-BH	106.472	09/04/2000
FRAC-HP	106.472	09/04/2000
T-116	106.472	09/04/2000
T-148	106.472	09/04/2000
T-149	106.472	09/04/2000
T-238	106.472	09/04/2000
T-139	106.472	09/04/2000
T-121	106.472	09/04/2000
T-132	106.472	09/04/2000

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	03/14/1997
263MSS	106.263	11/01/2001
E-GEN3	106.511	09/04/2000
E-GEN4	106.511	09/04/2000
E-GEN5	106.511	09/04/2000
E-GEN6	106.511	09/04/2000
FWP	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
07/16/2025	O-1070	RN102753670

PBR No.	Version No./Date
N/A	

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-132	106.261	166311	Verify that visible emissions from this source do not exceed 5% opacity in any six
T-129, T-221, T-222, T-2	106.261	76067	Verify that visible emissions from this source do not exceed 5% opacity in any six
SD-1	106.261	92215	Verify that visible emissions from this source do not exceed 5% opacity in any six
T-200 & T-201	106.262	93189	Verify that visible emissions from this source do not exceed 5% opacity in any six
TO-1, SD-1, T-103	106.261 & 106.262	95648	Verify that visible emissions from this source do not exceed 5% opacity in any six
DSLTNK#8	106.412 & 106.472	09/04/2000	Monitor annual throughput of material loaded from tank such that annual volatile
FRAC-BH	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
FRAC-HP	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-116	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-148	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an

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
07/16/2025	O-1070	RN102753670

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-149	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-238	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-139	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-121	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
T-132	106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor an
263MSS	106.263	11/01/2001	Monitor usage of abrasive material and paints at the site such that annual VOC e
E-GEN3, E-GEN4, E-GEN	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating
FWP	106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	1	B-3		Boiler 3		106.183/09/04/2000	
D	18	L-18		RAILCAR/TANK TRUCK LOAD STATION 18		2480A	
D	2	T-021		TANK #021		2480A	
D	2	T-022		TANK #022		2480A	
D	2	T-023		TANK #023		2480A	
D	2	T-024		TANK #024		2480A	
D	2	T-026		TANK #026		2480A	
D	18	T-239		STORAGE TANK 239		2480A	
D	18	T-240		STORAGE TANK 240		2480A	
D	18	T-241		STORAGE TANK 241		2480A	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	18	T-242		STORAGE TANK 242		2480A	
D	18	T-243		STORAGE TANK 243		2480A	
D	18	T-245		STORAGE TANK 245		2480A	
D	18	T-246		STORAGE TANK 246		2480A	
D	18	T-247		STORAGE TANK 247		2480A	
D	18	T-248		STORAGE TANK 248		2480A	
D	21	T-DIESEL		DIESEL DISPENSING TANK		106.473/09/04/2000	
D	21	T-GAS		GASOLINE DISPENSING TANK		106.473/09/04/2000	
A	14	DSLTNK#8	OP-UA3	DIESEL TANK		106.412/09/04/2000	
A	15	FRAC-BH	OP-UA3	FRAC TANK-BOILER HOUSE		106.472/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	16	FRAC-HP	OP-UA3	FRAC TANK-HOSE PIT		106.472/09/04/2000	
A	19	GEN-GPWC3	OP-UA2	1368 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	GEN-GPWC4	OP-UA2	1341 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	GEN-GPWC5	OP-UA2	2012 HP EMERGENCY DIESEL ENGINE		106.511/09/04/2000	
A	19	ENG-4	OP-UA2	453 HP DIESEL FIRE WATER PUMP		106.511/09/04/2000	
A	20	263MSS		MAINTENANCE, STARTUP, AND SHUTDOWN EMISSIONS		106.263/11/01/2001	

Texas Commission on Environmental Quality

Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	D	GRPPREK2
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	A	GRPFIXED
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	D	GRPKB

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	A	GRPFIXED
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	D	GRPK
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	A	GRPFIXED
6	T-212	OP-UA3, OP-REQ2	D	GRPKB2
6	T-212	OP-UA3, OP-REQ2	A	GRPFIXED
7	T-148	OP-UA3, OP-REQ2	D	GRPPREK2
8	T-199, T-202	OP-UA3, OP-REQ2	D	GRPKB
8	T-199, T-202	OP-UA3, OP-REQ2	A	GRPIFR
9	T-210, T-211	OP-UA3, OP-REQ2	D	GRPKB2
9	T-210, T-211	OP-UA3, OP-REQ2	A	GRPIFR

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
07/16/2025	O-1070	RN102753670

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

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

---

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Wednesday, July 16, 2025 9:36 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning Emily,

Please find the updated forms as requested along with a digital copy of the OP-CRO1 signed by the DAR.

I'm not familiar with how to provide just an update in STEERS but if you need them submitted through there please give me a call as I may be looking in the wrong area.

Thanks!

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

KINDER MORGAN

Delivering Energy to Improve Lives

Do The Right Thing Every Day
1) Safety Will Not Be Compromised 2) Environmentally Compliant and Responsible Operator 3) Ethics and Integrity 4) Commitment to Employees and Resources 5) Customer Service and Fiscal Responsibility 6) Quality Focus

---

From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, July 9, 2025 11:53 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

[This email message was received from the Internet and came from outside of Kinder Morgan.]

WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning all,

During management review, the following items were found. Please resolve by **07/16/2025** and certify via STEERS.

1. **Form OP-PBRSUP** (Dated 05/24/2024):
   - Table A lists "2005, 2006, 2007, 2008 Annual Notification" under the Unit ID Column (as seen in image below). Please revise the highlighted fields and list a valid Unit ID No. such as what was done for the other columns in this table.

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

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	9/27/2021
T-197	29974	Standard Exemption No. 86	12/1/1998
T-129, T-221, T-222, T-229, T-233, T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	6/14/2005
2005 Annual Notification	78525	106.261	4/14/2006
2006 Annual Notification	81529	106.261	4/30/2007
2007 Annual Notification	84543	106.261	4/16/2008
2008 Annual Notification	87856	106.261	4/30/2009
SD-1	92215	106.261	5/12/2010
T-200, T-201	93189	106.262	9/8/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	6/29/2011

   - There are many PBRs on Form OP-REQ1 (as seen below) which are not listed on Form OP-PBRSUP. Please review the attached Form OP-PBRSUP guidance and add the missing PBRs. This guidance contains a table which lists the PBRs required to be on Table A, B, and D and can be found on page 1-3 of the document.

◆ 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
2480A	06/24/2022				

◆ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003	~~106.512~~	~~09/04/2000~~		
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

Please submit a revised OP-PBRSUP in full, including tables A, B, C, and D with matching dates on each table. (No table should be blank, but "none" or "NA" can be used on a table as appropriate, this allows the public to know a table was not inadvertently left out and that the site is not using any insignificant PBRs). Also, you can list the emission unit as "sitewide" if there is no specific emission unit with that authorization. Please remember that the date in the top left corner *must* match on each table, as this is a commonly missed item. See example image below.

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

This date must match on each Table.

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

Unit ID No.	Registration No.	PBR No.	Registration Date

2. **Form OP-SUM:** For each PBR claimed or registered under 30 TAC Chapter 106, and each standard exemption claimed or registered previously under 30 TAC Chapter 116, enter the number and effective date in the appropriate format as shown below. Please submit a revised Form OP-SUM, as this will allow me to add the registration numbers to the permit. I have attached these form instructions as well.

Permit by Rule *(previously called Standard Exemption)*:
For each PBR claimed or registered under 30 TAC Chapter 106, and each standard exemption claimed or registered previously under 30 TAC Chapter 116, enter the number and effective date in the appropriate format shown below.

Note: All units authorized by PBR must also be identified on Form OP-PBRSUP.

Format	PBR/standard exemption claimed or registered date
106.*XXX/MM/DD/YYYY[rrrr]*	Authorized on or after March 14, 1997 (except 106.181 is on or after December 27, 1996)
XXX/MM/DD/YYYY[rrrr]	Authorized prior to March 14, 1997

XXX = 30 TAC Chapter 116 standard exemption number or 30 TAC Chapter 106 PBR number.
MM/DD/YYYY = Effective date of the Standard Exemption or PBR in effect at the time claimed or granted.
Information on Chapter 116 version dates is available at
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html.

Information on Chapter 106 version dates is available at
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html.

[rrrr] = Registration number for the authorization. If multiple registration numbers apply, list them separated by commas.

Examples: Standard exemptions and PBRs would be reflected in Form OP-SUM as follows:

Authorization	Std. Ex./PBR No.	Date Authorized	Format
Authorized on or after March 14, 1997	106.473	July 25, 1997	106.473/03/14/1997[1010, 2020]
Authorized prior to March 14, 1997	53	October 20, 1990	53/09/12/1989[1010, 2020]

Please let me know if you have any questions. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

KINDER MORGAN
LIQUIDS TERMINALS LLC

USPS # 9589 0710 5270 0443 4627 45

May 21, 2025

Ms. Emily Knodell
Permit Reviewer
Texas Commission on Environmental Quality (TCEQ)
MC-163, P.O. Box 13087
Austin, Texas 78711-3087

Subject: **Notification for Tank 80-2 Physical Seal Inspection**
KM Liquids Terminals LLC – Galena Park West Chemical
TCEQ Account Number HG-0542-V
CN603254707, RN102753670
FOP O1070

Ms. Knodell:

Please find the enclosed OP-CRO1 with wet ink signature as requested.

Please contact me if you have any questions or require additional information.

Sincerely,
KM LIQUIDS TERMINALS LLC

Christian Thomas
Air Permitting & Compliance Specialist

cc: File AIR-2

AIR PERMITS DIVISION
MAY 27 2025
RECEIVED

300 Beltway Green Blvd Pasadena, TX 77503 Ph: 713-450-0472 Fax: 713-472-7660

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: RN102753670	
CN: CN603254707	
Account No.: HG0542V	
Permit No.: O-1070	
Project No.:	
Area Name: Galena Park West Chemical Plant	
Company Name: KM Liquids Terminals CC	
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:	

0710 5270 0443 4627 45

mmission on Environmental Quality

MAY 21 2025

10/07/2025

RFI for Proj

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

IV. Certification of Truth

This certification does not extend to information which is designated by TCEQ as information for reference only.

I, Marlin Collins certify that I am the Duly Authorized Representative (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 06/14/2024 to 05/16/2025

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____

(Date 5) *(Date 6)*

Signature: Marlin Collins Signature Date: 5-20-25

Title: General Manager

From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Tuesday, May 20, 2025 2:47 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Emily,

Please find the attached signed copy of the OP-CRO1 as requested.

Please confirm the address you would like the original sent to.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, May 20, 2025 11:42 AM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Got it, thanks!

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

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From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Monday, May 19, 2025 2:54 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Emily,

Marlin's email is Marlin_Collins@kindermorgan.com

I'm working on the OP-CRO1 as requested and will submit it as soon as its complete.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Monday, May 19, 2025 2:51 PM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Good afternoon,

I am tagging on one small item to the request below. Could you please send me the email address for the DAR Marlin Collins? For some reason our system isn't showing it.

Duly Authorized Representative:
Mr. Marlin Collins
General Manager
Kinder Morgan, Inc.
300 Beltway Green Blvd
Pasadena, TX 77503-1370
Phone: (346) 352-5980
Email:

Thank you,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Emily Knodell
Sent: Friday, May 16, 2025 2:43 PM
To: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Christian and Dayu,

Thank you for your quick response and approval on the draft. I will now begin to prepare this project for management review.

Please resolve the item below by **05/21/2025.**

1. **Form OP-CRO1:** At this time, I would like to ask for the form OP-CRO1 certifying the changes made to the application. Please fill out the Time Period from ***06/14/2024*** to ***05/16/2025.*** Please send me an electronic copy and the original, signed hardcopy. Alternatively in lieu of the OP-CRO1, you can submit this email thread and attachments as an update to the application through 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. STEERS does not accept the Outlook ".msg" file type, but it does take PDFs.

Please let me know if you have any questions. Thank you and have a great weekend!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Thomas, Christian <Christian_Thomas@kindermorgan.com>
Sent: Wednesday, May 14, 2025 9:36 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning Emily,

We have no further comments on the draft permit and accept the changes proposed to the Periodic Monitoring Summary for GRPBLR.

Please let me know if you have any questions or need anything further at this stage.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Thomas, Christian
Sent: Tuesday, May 6, 2025 11:56 AM
To: 'Emily Knodell' <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good morning Emily,

Your email and associated drafts are well received. We will review them and provide any feedback no later than the June 5th, 2025 deadline as requested.

Please find our response to question 2 below in red text.

Thanks,

Christian Thomas

Air Permitting and Compliance Specialist II
713.450.0472 Office
903.820.8720 Cell
300 Beltway Green Boulevard | Pasadena, TX 77503

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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, May 6, 2025 10:26 AM
To: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: Working Draft Permit -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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

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Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.
Good morning Christian Thomas and Dayu Zhang,

I have conducted a technical review of *renewal* application for ***KM Liquids Terminals LLC/Galena Park West Chemical 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 by **June 5, 2025** as well as a response to the items listed below.

1. **Periodic Monitoring Summary** (Draft Page 65): On this page you will find the Periodic Monitoring Summary for GRPBLR based on the case-by-case OP-MON submitted. I also incorporated a few edits suggested by our CAM/PM specialist John Walker. Please review the edits and let me know if you approve of them. I have attached a document to this email that has John's comments and the reasoning behind them.

2. **Technical Contact:** Please let me know who the new primary technical contact for this project will be and provide the corresponding information below. From here, I will let APIRT know to update our database.

   Technical Contact:
   <Name> Christian Thomas
   <Title> Air Permitting and Compliance Specialist
   <Company> Kinder Morgan
   <Address> 300 Beltway Green Blvd. Pasadena, TX 77503
   Phone: <Phone> (713) 450-0472
   Email: <Email> Christian_Thomas@kindermorgan.com

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

Please review the second portion of the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. 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,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

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From: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Sent: Thursday, April 24, 2025 2:22 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; John Walker <John.Walker@tceq.texas.gov>; Thomas, Christian <Christian_Thomas@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily/John,

Please include Christian Thomas and Dayu Zhang (cc'd here) in all future correspondence as I will no longer be with KM as of 04/25/2025.

Thanks,
Sanam

Ms. Sanam Anwar, M.S.
Air Permitting & Compliance Specialist II
Office: 713.920.8423
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From: Anwar, Sanam
Sent: Thursday, April 17, 2025 11:20 AM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily,

I just spoke with John and he confirmed that we provided the periodic monitoring text needed on p.68 of the document we sent over so we should be good to go on this request.

Thanks,
Sanam

Ms. Sanam Anwar, M.S.
Air Permitting & Compliance Specialist II
Office: 713.920.8423
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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, April 16, 2025 3:22 PM
To: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Good afternoon Sanam,

I received your voicemail message today regarding Form OP-MON and needing more clarity on what to include for the request below. I have cc'd John Walker, our team's CAM/PM specialist who can better assist you with monitoring type questions. Please let us know what you need help with (we can discuss via email or phone, whichever is preferable. His phone number is 512-239-1277).

Thank you,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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
2480A	06/24/2022				

♦ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003	~~106.511~~	~~09/04/2000~~		
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

♦ **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

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67-68	Attachment 3: Periodic Monitoring Text and Justification

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: HG-0542-V	RN No.: RN102753670	CN: CN603254707
Permit No: O1070	Project No.: 36676	
Area Name: Galena Park West Chemical Plant		
Company Name: KM Liquid Terminals LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: GRPBLR		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117		
SOP/GOP Index No.: R7301-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: 400 ppmv at 3.0% O2, dry basis		
IV. Control Device Information		
Control Device ID No.: B1		
Device Type: BOIL1		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: ppmv CO	Minimum Frequency: Annually	
Averaging Period: N/A		
Periodic Monitoring Text: See attachment for full text		

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 4)
Federal Operating Permit Program

Table 1d: CAM/PM Case-By-Case Control Device Additions

Emission Unit ID No.	Control Device ID No.	Control Device Type
GRPBLR	B2	BOIL1

Attachment 1: Indicator Justification

KM Liquids Terminals, LLC (KM) requests an indicator of ppmv CO. The justification for this indicator is the rule text for the main standard (see attached): § 117.310(c)(1). The indicator uses the same units as the standard (ppmv CO) and is therefore an appropriate indicator of compliance with the periodic monitoring requirements. This attachment also includes the initial performance test for Control Device IDs: B1 and B2. The performance test provides evidence of rule compliance for both boilers.

TEXAS ADMINISTRATIVE CODE: As in effect on 3/25/2025.

TITLE 30 ENVIRONMENTAL QUALITY

PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHAPTER 117 CONTROL OF AIR POLLUTION FROM NITROGEN COMPOUNDS

SUBCHAPTER B COMBUSTION CONTROL AT MAJOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL SOURCES IN OZONE NONATTAINMENT AREAS

DIVISION 3 HOUSTON-GALVESTON-BRAZORIA OZONE NONATTAINMENT AREA MAJOR SOURCES

§117.310. Emission Specifications for Attainment Demonstration.

(a) Emission specifications for the Mass Emission Cap and Trade Program. The nitrogen oxides (NO_X) emission rate values used to determine allocations for Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program) must be the lower of any applicable permit limit in a permit issued before January 2, 2001; any permit issued on or after January 2, 2001, that the owner or operator submitted an application determined to be administratively complete by the executive director before January 2, 2001; any limit in a permit by rule under which construction commenced by January 2, 2001; or the following emission specifications:

(1) gas-fired boilers:

(A) with a maximum rated capacity equal to or greater than 100 million British thermal units per hour (MMBtu/hr), 0.020 pounds per million British thermal units (lb/MMBtu);

(B) with a maximum rated capacity equal to or greater than 40 MMBtu/hr, but less than 100 MMBtu/hr, 0.030 lb/MMBtu; and

(C) with a maximum rated capacity less than 40 MMBtu/hr, 0.036 lb/MMBtu (or alternatively, 30 parts per million by volume (ppmv) NO_X, at 3.0% oxygen (O_2), dry basis);

(2) fluid catalytic cracking units (including carbon monoxide (CO) boilers, CO furnaces, and catalyst regenerator vents), one of the following:

(A) 40 ppmv NO_X at 0.0% O_2 , dry basis;

(B) a 90% NO_X reduction of the exhaust concentration used to calculate the June - August 1997 daily NO_X emissions. To ensure that this emission specification will result in a real 90% reduction in actual emissions, a consistent methodology must be used to calculate the 90% reduction; or

(C) alternatively, for units that did not use a continuous emissions monitoring system (CEMS) or predictive emissions monitoring system (PEMS) to determine the June - August 1997 exhaust concentration, the owner or operator may:

(i) install and certify a NO_X CEMS or PEMS as specified in §117.340(f) or (g) of this title (relating to Continuous Demonstration of Compliance) no later than June 30, 2001;

(ii) establish the baseline NO_X emission level to be the third quarter 2001 data from the CEMS or PEMS;

(iii) provide this baseline data to the executive director no later than October 31, 2001; and

(iv) achieve a 90% NO_X reduction of the exhaust concentration established in this baseline;

(3) boilers and industrial furnaces (BIF units) that were regulated as existing facilities in 40 Code of Federal Regulations (CFR) Part 266, Subpart H (as was in effect on June 9, 1993):

(A) with a maximum rated capacity equal to or greater than 100 MMBtu/hr, 0.015 lb/MMBtu; and

(B) with a maximum rated capacity less than 100 MMBtu/hr:

(i) 0.030 lb/MMBtu; or

(ii) an 80% reduction from the emission factor used to calculate the June - August 1997 daily NO_X emissions. To ensure that this emission specification will result in a real 80% reduction in actual emissions, a consistent methodology must be used to calculate the 80% reduction;

(4) coke-fired boilers, 0.057 lb/MMBtu;

(5) wood fuel-fired boilers, 0.060 lb/MMBtu;

(6) rice hull-fired boilers, 0.089 lb/MMBtu;

(7) liquid-fired boilers, 2.0 pounds per 1,000 gallons of liquid burned;

(8) process heaters:

(A) other than pyrolysis reactors:

(i) with a maximum rated capacity equal to or greater than 40 MMBtu/hr, 0.025 lb/MMBtu; and

(ii) with a maximum rated capacity less 40 MMBtu/hr, 0.036 lb/MMBtu (or alternatively, 30 ppmv NO_X , at 3.0% O_2 , dry basis); and

(B) pyrolysis reactors, 0.036 lb/MMBtu;

(9) stationary, reciprocating internal combustion engines:

(A) gas-fired rich-burn engines:

(i) fired on landfill gas, 0.60 grams per horsepower-hour (g/hp-hr); and

(ii) all others, 0.50 g/hp-hr;

(B) gas-fired lean-burn engines, except as specified in subparagraph (C) of this paragraph:

(i) fired on landfill gas, 0.60 g/hp-hr; and

(ii) all others, 0.50 g/hp-hr;

(C) dual-fuel engines:

(i) with initial start of operation on or before December 31, 2000, 5.83 g/hp-hr; and

(ii) with initial start of operation after December 31, 2000, 0.50 g/hp-hr; and

(D) diesel engines, excluding dual-fuel engines, placed into service before October 1, 2001, that have not been modified, reconstructed, or relocated on or after October 1, 2001, the lower of 11.0 g/hp-hr or the emission rate established by testing, monitoring, manufacturer's guarantee, or manufacturer's other data. For the purposes of this subparagraph, the terms "modification" and "reconstruction" have the meanings defined in §116.10 of this title (relating to General Definitions) and 40 CFR §60.15 (December 16, 1975), respectively, and the term "relocated" means to newly install at an account, as defined in §101.1

of this title (relating to Definitions), a used engine from anywhere outside that account; and

(E) for diesel engines, excluding dual-fuel engines, not subject to subparagraph (D) of this paragraph:

(i) with a horsepower rating of less than 11 horsepower (hp) that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2004, 7.0 g/hp-hr; and

(II) on or after October 1, 2004, 5.0 g/hp-hr;

(ii) with a horsepower rating of 11 hp or greater, but less than 25 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2004, 6.3 g/hp-hr; and

(II) on or after October 1, 2004, 5.0 g/hp-hr;

(iii) with a horsepower rating of 25 hp or greater, but less than 50 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2003, 6.3 g/hp-hr; and

(II) on or after October 1, 2003, 5.0 g/hp-hr;

(iv) with a horsepower rating of 50 hp or greater, but less than 100 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2003, 6.9 g/hp-hr;

(II) on or after October 1, 2003, but before October 1, 2007, 5.0 g/hp-hr; and

(III) on or after October 1, 2007, 3.3 g/hp-hr;

(v) with a horsepower rating of 100 hp or greater, but less than 175 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2002, 6.9 g/hp-hr;

(II) on or after October 1, 2002, but before October 1, 2006, 4.5 g/hp-hr; and

(III) on or after October 1, 2006, 2.8 g/hp-hr;

(vi) with a horsepower rating of 175 hp or greater, but less than 300 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2002, 6.9 g/hp-hr;

(II) on or after October 1, 2002, but before October 1, 2005, 4.5 g/hp-hr; and

(III) on or after October 1, 2005, 2.8 g/hp-hr;

(vii) with a horsepower rating of 300 hp or greater, but less than 600 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2005, 4.5 g/hp-hr; and

(II) on or after October 1, 2005, 2.8 g/hp-hr;

(viii) with a horsepower rating of 600 hp or greater, but less than or equal to 750 hp, that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2005, 4.5 g/hp-hr; and

(II) on or after October 1, 2005, 2.8 g/hp-hr; and

(ix) with a horsepower rating of 750 hp or greater that are installed, modified, reconstructed, or relocated:

(I) on or after October 1, 2001, but before October 1, 2005, 6.9 g/hp-hr; and

(II) on or after October 1, 2005, 4.5 g/hp-hr;

(10) stationary gas turbines:

(A) rated at 10.0 megawatts (MW) or greater, 0.032 lb/MMBtu;

(B) rated at 1.0 MW or greater, but less than 10.0 MW, 0.15 lb/MMBtu; and

(C) rated at less than 1.0 MW, 0.26 lb/MMBtu;

(11) duct burners used in turbine exhaust ducts, the corresponding gas turbine emission specification of paragraph (10) of this subsection;

(12) pulping liquor recovery furnaces, either:

(A) 0.050 lb/MMBtu; or

(B) 1.08 pounds per air-dried ton of pulp;

(13) kilns:

(A) lime kilns, 0.66 pounds per ton of calcium oxide; and

(B) lightweight aggregate kilns, 1.25 pounds per ton of product;

(14) metallurgical furnaces:

(A) heat treating furnaces, 0.087 lb/MMBtu; and

(B) reheat furnaces, 0.062 lb/MMBtu;

(15) magnesium chloride fluidized bed dryers, a 90% reduction from the emission factor used to calculate the 1997 ozone season daily NO_X emissions;

(16) incinerators, either of the following:

(A) an 80% reduction from the emission factor used to calculate the June - August 1997 daily NO_X emissions. To ensure that this emission specification will result in a real 80% reduction in actual emissions, a consistent methodology must be used to calculate the 80% reduction; or

(B) 0.030 lb/MMBtu; and

(17) as an alternative to the emission specifications in paragraphs (1) - (16) of this subsection for units with an annual capacity factor of 0.0383 or less, 0.060 lb/MMBtu. For units placed into service on or before January 1, 1997, the 1997 - 1999 average annual capacity factor must be used to determine whether the unit is eligible for the emission specification of this paragraph. For units placed into service after January 1, 1997, the annual capacity factor must be calculated from two consecutive years in the first five years of operation to determine whether the unit is eligible for the emission specification of this paragraph, using the same two consecutive years chosen for the activity level baseline. The five-year period begins at the end of the adjustment period as defined in §101.350 of this title (relating to Definitions).

(b) NO_X averaging time. The averaging time for the emission specifications of subsection (a) of this section must be as specified in Chapter 101, Subchapter H, Division 3 of this title, except that electric generating facilities (EGFs) must also

comply with the daily and 30-day system cap emission limitations of §117.320 of this title (relating to System Cap).

(c) Related emissions. No person shall allow the discharge into the atmosphere from any unit subject to subsection (a) of this section, emissions in excess of the following, except as provided in §117.325 of this title (relating to Alternative Case Specific Specifications) or paragraph (3) or (4) of this subsection.

(1) CO emissions must not exceed 400 ppmv at 3.0% O_2 , dry basis (or alternatively, 3.0 g/hp-hr for stationary internal combustion engines; or 775 ppmv at 7.0% O_2 , dry basis for wood fuel-fired boilers or process heaters):

(A) on a rolling 24-hour averaging period, for units equipped with CEMS or PEMS for CO; and

(B) on a one-hour average, for units not equipped with CEMS or PEMS for CO.

(2) For units that inject urea or ammonia into the exhaust stream for NO_X control, ammonia emissions must not exceed 10 ppmv at 3.0% O_2 , dry, for boilers and process heaters; 15% O_2 , dry, for stationary gas turbines (including duct burners used in turbine exhaust ducts), gas-fired lean-burn engines, lightweight aggregate kilns, and diesel engines; 0.0% O_2 , dry, for fluid catalytic cracking units (including CO boilers, CO furnaces, and catalyst regenerator vents); 7.0% O_2 , dry, for BIF units that were regulated as existing facilities in 40 CFR Part 266, Subpart H (as was in effect on June 9, 1993), wood-fired boilers, and incinerators; and 3.0% O_2 , dry, for all other units, based on:

(A) a block one-hour averaging period for units not equipped with a CEMS or PEMS for ammonia; or

(B) a rolling 24-hour averaging period for units equipped with CEMS or PEMS for ammonia.

(3) The correction of CO emissions to 3.0% O_2 , dry basis, in paragraph (1) of this subsection does not apply to the following units:

(A) lightweight aggregate kilns; and

(B) boilers and process heaters operating at less than 10% of maximum load and with stack O_2 in excess of 15% (i.e., hot-standby mode).

(4) The CO limits in paragraph (1) of this subsection do not apply to the following units:

(A) BIF units that were regulated as existing facilities in 40 CFR Part 266, Subpart H (as was in effect on June 9, 1993) and that are subject to subsection (a)(3) of this section; and

(B) incinerators subject to the CO limits of one of the following:

(i) §111.121 of this title (relating to Single-, Dual-, and Multiple-Chamber Incinerators);

(ii) §113.2072 of this title (relating to Emission Limits) for hospital/medical/infectious waste incinerators; or

(iii) 40 CFR Part 264 or 265, Subpart O, for hazardous waste incinerators.

(d) Compliance flexibility.

(1) Section 117.325 of this title is not an applicable method of compliance with the NO_X emission specifications of this section.

(2) An owner or operator may petition the executive director for an alternative to the CO or ammonia specifications of this section in accordance with §117.325 of this title.

(3) An owner or operator may not use the alternative methods specified in §§117.315, 117.323, and 117.9800 of this title (relating to Alternative Plant-Wide Emission Specifications; Source Cap; and Use of Emission Credits for Compliance) to comply with the NO_X emission specifications of this section. The owner or operator shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3 of this title to comply with the NO_X emission specifications of this section, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of §117.320 of this title. An owner or operator may use the alternative methods specified in §117.9800 of this title for purposes of complying with §117.320 of this title.

(e) Prohibition of circumvention:

(1) the maximum rated capacity used to determine the applicability of the emission specifications in subsection (a) of this section and the initial control plan, compliance demonstration, monitoring, testing requirements, and final control plan in §§117.335, 117.340, 117.350, and 117.354 of this title (relating to Initial Demonstration of Compliance; Continuous Demonstration of Compliance; Initial Control Plan Procedures; and Final Control Plan Procedures for Attainment Demonstration Emission Specifications) must be:

(A) the greater of the following:

(i) the maximum rated capacity as of December 31, 2000; or

(ii) the maximum rated capacity after December 31, 2000; or

(B) alternatively, the maximum rated capacity authorized by a permit issued under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification) on or after January 2, 2001, that the owner or operator submitted an application determined to be administratively complete by the executive director before January 2, 2001, provided that the maximum rated capacity authorized by the permit issued on or after January 2, 2001, is no less than the maximum rated capacity represented in the permit application as of January 2, 2001;

(2) a unit's classification is determined by the most specific classification applicable to the unit as of December 31, 2000. For example, a unit that is classified as a boiler as of December 31, 2000, but subsequently is authorized to operate as a BIF unit, is classified as a boiler for the purposes of this chapter. In another example, a unit that is classified as a stationary gas-fired engine as of December 31, 2000, but subsequently is authorized to operate as a dual-fuel engine, is classified as a stationary gas-fired engine for the purposes of this chapter;

(3) changes after December 31, 2000, to a unit subject to subsection (a) of this section (ESAD unit) that result in increased NO_X emissions from a unit not subject to subsection (a) of this section (non-ESAD unit), such as redirecting one or more fuel or waste streams containing chemical-bound nitrogen to an incinerator with a maximum rated capacity of less than 40 MMBtu/hr or a flare, is only allowed if:

(A) the increase in NO_X emissions at the non-ESAD unit is determined using a CEMS or PEMS that meets the requirements of §117.340(f) or (g) of this title, or through stack testing that meets the requirements of §117.335(e) of this title; and

(B) a deduction in allowances equal to the increase in NO_X emissions at the non-ESAD unit is made as specified in §101.354 of this title (relating to Allowance Deductions);

(4) a source that met the definition of major source on December 31, 2000, is always classified as a major source for purposes of this chapter. A source that did not meet the definition of major source (i.e., was a minor source, or did not yet exist) on December 31, 2000, but at any time after December 31, 2000, becomes a major source, is from that time forward always classified as a major source for purposes of this chapter; and

(5) the availability under subsection (a)(17) of this section of an emission specification for units with an annual capacity factor of 0.0383 or less is based on the unit's status on December 31, 2000. Reduced operation after December 31, 2000, cannot be used to qualify for a more lenient emission specification under subsection (a)(17) of this section than would otherwise apply to the unit.

(f) Operating restrictions. No person shall start or operate any stationary diesel or dual-fuel engine for testing or maintenance between the hours of 6:00 a.m. and noon, except:

(1) for specific manufacturer's recommended testing requiring a run of over 18 consecutive hours;

(2) to verify reliability of emergency equipment (e.g., emergency generators or pumps) immediately after unforeseen repairs. Routine maintenance such as an oil change is not considered to be an unforeseen repair; or

(3) firewater pumps for emergency response training conducted in the months of April through October.



Emission Test Report

on

Two Miura LX-300 Boilers

for

Burner Combustion

and

Vopak

Galena Park, TX

Erthwrks Project No. 7249
Test Date: November 28-29, 2012

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ATTACHMENTS

A. Detailed Results of Emissions Test
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D. Detailed Stack and Sample System Diagrams
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1.0 INTRODUCTION

1.1 Identification, location and dates of tests

Two (2) natural gas fired boilers were tested for Burner Combustion at the Vopak Facility in Galena Park, TX. This report refers to these boilers as Boilers ~~#1~~ 3 and ~~#2~~ 4. The emission testing was conducted on November 28-29, 2012.

1.2 Purpose of Testing

This project was conducted to satisfy the testing requirements set forth in the TCEQ Title 30 TAC, Chapter 117 regulations. As specified in these regulations, a stack test was conducted in order to determine the compliance status of the units with regard to their NOx and CO emission limits.

1.3 Description of Source

The boilers tested are Miura LX-300 Natural-gas Fired Boilers with a manufacturer rated base horse power of 300 (bhp). The exhaust from these units is vented to the atmosphere through an unobstructed exhaust stack with a stack diameter of 26 inches. This exhaust, consisting of various combustion products including nitrogen oxides (NOx) and carbon monoxide (CO), vented at approximately 800°F.

1.4 Contact Information

Erthwrks LLC
John Wood
Senior Partner
10208 Ivanhoe Trail
Austin, TX 78748
512-585-1685 office
512-906-0677 fax
jwood@erthwrk.com

Burner Combustion Systems, LLC
Chris Robison
12655 Woodforest, Suite 700
Houston, TX 77015
713-453-3539 x11 office
713-453-3679 fax

2.0 SUMMARY OF RESULTS

Table 2-1—Vopak Galena Park Boiler Results

Unit	Pollutant	Measured Results	Applicable Limit
Boiler #~~1~~ 3 S/N 48S411155U	NOx CO	18.31 ppmv @3% O2 14.10 ppmv @3% O2	30 ppmv @3% O2 400 ppmv @3% O2
Boiler #~~2~~ 4 S/N 48S411152U	NOx CO	17.66 ppmv @3% O2 14.07 ppmv @3% O2	30 ppmv @3% O2 400 ppmv @3% O2

3.0 SOURCE DESCRIPTION

3.1 Description of the process

The boiler room, operated by Vopak, is designed to create and deliver steam. The boilers are in place to provide steam to the various areas and operations of the facility.

3.2 Applicable permit and source designation

The boilers tested operate under the Texas Administrative Code Title 30, Part 1, Chapter 117 Subchapter D, Division 1. The source designation of the boilers are Boilers #1 and #2.

4.0 SAMPLING AND ANALYTICAL PROCEDURES

4.1 Instrumentation and Equipment Description

Erthwrks LLC utilizes the latest state-of-the-art instrumentation and equipment for this project. The instrumentation and equipment will be described following the path of the sample stream from the stack.

For the exhaust emission sampling, the sample enters the Erthwrks sample system through a stainless steel probe fitted with an in-stack filter. The sample is then pulled down to the testing trailer's Baldwin® sample conditioner through a heated Teflon sample line. This conditioner removes all moisture from the sample without removing any of the effluents to be determined. The sample then passes through a Teflon lined pump and is pushed through the sample manifold. This manifold splits the sample to be delivered to the different instruments through individual rotameters for the control of sample flow. The analyzers used for this test are shown below.

Table 4.1 Analytical Instrumentation

Effluent Tested	Analyzer Make/Model	Expected Range to be utilized	Detection Principle
NOx	Teledyne Model 200EH	100 ppm	Chemiluminescence
CO	Teledyne Model 300EM	100 ppm	Non-Dispersive Infrared (NDIR)
O2	Teledyne Model 300EM	25 %	Paramagnetic Cell

All operational data was recorded from the unit display screen. Fuel flow readings were recorded manually from the fuel flow meter installed on the fuel stream. The fuel flow rate was recorded during the testing of each unit. This data is recorded on the detailed results of emission test tables in Appendix A.

4.2 Test Methods

EPA Method 3A was utilized for the determination of exhaust emission oxygen (O_2) concentration. EPA Methods 7E and 10 will be utilized for the determination of NOx and CO concentrations. EPA Method 19 calculations were also used to calculate the emission results in pounds per million Btu.

The units were tested while operating at the maximum achievable capacity for each unit. Each test consisted of three (3) separate 1-hour test runs and the arithmetic mean of these test runs are used to apply for compliance.

4.3 Sampling Site Location

The exhaust sampling will be located at the ports provided on the exhaust stack that meet all the EPA Method 1 location specifications. The exhaust gas exits the economizer horizontally and flows through 90 degree bend. The gas then flows through a 12 inch I.D. vertical stack. The sample port is located 48 inches downstream from this final bend in the stack and greater than five feet upstream from the exit to the atmosphere. The Erthwrks stack diagram and traverse point location worksheet is found in Appendix D.

4.4 Source Test Method QA/QC and Analyzer Calibration

Erthwrks LLC conducts all quality assurance and quality control procedures as specified by any and all EPA test methods utilized for this testing program. A three-point calibration error check was initially conducted at the start of the test day and sample system bias and drift checks were conducted before and after each test run. All calibration gases are certified EPA Protocol 1 and certifications for all gases used are provided in the test report, Appendix F. A stratification test was also conducted following the specifications in EPA Method 7E, Section 8.1.2. The alternative selection of three traverse points located on a line passing through the centroidal area was chosen for the stratification test. The three points were located at 16.7, 50.0, and 83.3 percent of the measurement line from the inner diameter of the stack. The 3-point stratification documentation can be found in the datalog records located in Appendix E and the summarized results of this test are displayed in Appendix B.

4.5 Discussion of sampling procedures or operational variances

There were no variances associated with sampling or operations for this test.

Attachment A
Detailed Results of Emission Test

Erthwrks Tabular Results of Emission Test

Client	Burner Combustion
Facility Name, Location	Vopak, Galena Park, TX
Unit Identification	Unit 1--Miura Boiler Model LX-300
Unit Serial Number	48S411155U

Run Information

Run Number	**Run 1**	**Run 2**	**Run 3**	
Date	1/29/2012	1/29/2012	1/29/2012	
Run Start Time	10:23	11:55	13:03	
Run End Time	11:23	12:55	14:03	
Operating Conditions				
High/Low Fire	High	High	High	
Fuel Flow (scf/hr)	11000	11000	11000	
Fuel F Factor (F_d) (scf/MMBtu)	8710	8710	8710	
Fuel Heating Value (Btu/scf)	1016	1016	1016	
Emission Concentrations				**Average**
NOx (ppmv)	17.54	16.56	16.74	**16.95 ppmv**
CO (ppmv)	13.24	13.25	12.68	**13.06 ppmv**
O_2 (%)	4.34	4.30	4.33	**4.33 %**
Emission Concentrations (Corrected to 3% O2)				**Average**
NOx (ppmv) ***Limit: 30***	18.97	17.87	18.08	**18.31 ppmv**
CO (ppmv) ***Limit: 400***	14.32	14.29	13.69	**14.10 ppmv**
Emission Concentrations				**Average**
NOx (lb/scf)	2.09E-06	1.98E-06	2.00E-06	**2.02E-06 lb/scf**
CO (lb/scf)	9.62E-07	9.63E-07	9.21E-07	**9.49E-07 lb/scf**
Emission Rates				**Average**
NOx (lb/MMBtu)	0.023	0.022	0.022	**0.022 lb/MMBtu**
CO (lb/MMBtu)	0.011	0.011	0.010	**0.010 lb/MMBtu**

Erthwrks Tabular Results of Emission Test

Client	Burner Combustion
Facility Name, Location	Vopak Galena Park, TX
Unit Identification	Unit 2--Miura Boiler Model LX-300
Unit Serial Number	48S411152U

Run Information

Run Number	Run 1	Run 2	Run 3	
Date	11/28/2012	11/28/2012	11/28/2012	
Run Start Time	9:47	13:35	14:45	
Run End Time	10:47	14:35	15:45	
Operating Conditions				
High/Low Fire	High	High	High	
Fuel Flow (scf/hr)	10900	10900	10900	
Fuel F Factor (F_d) (scf/MMBtu)	8710	8710	8710	
Fuel Heating Value (Btu/scf)	1016	1016	1016	
Emission Concentrations				**Average**
NOx (ppmv)	16.20	15.75	16.35	**16.10 ppmv**
CO (ppmv)	13.28	12.31	12.87	**12.82 ppmv**
O_2 (%)	4.64	4.60	4.51	**4.58 %**
Emission Concentrations (Corrected to 3% O2)				**Average**
NOx (ppmv) ***Limit: 30***	17.83	17.29	17.85	**17.66 ppmv**
CO (ppmv) ***Limit: 400***	14.63	13.52	14.05	**14.07 ppmv**
Emission Concentrations				**Average**
NOx (lb/scf)	1.93E-06	1.88E-06	1.95E-06	**1.92E-06 lb/scf**
CO (lb/scf)	9.66E-07	8.95E-07	9.35E-07	**9.32E-07 lb/scf**
Emission Rates				**Average**
NOx (lb/MMBtu)	0.022	0.021	0.022	**0.021 lb/MMBtu**
CO (lb/MMBtu)	0.011	0.010	0.010	**0.010 lb/MMBtu**

Attachment B
Quality Control Documentation

Erthwrks Gaseous Sample Collection and Quality Assurance Worksheet

Date: 11/28/2012
Client: Burner Combustion
Facility: Vopak Terminal
Location: Galena Park, TX
Erthwrks Tech: Jarrod Hoskinson
Unit: Unit 2 / SN: 48S411152U

Calibration Gas Verification

Pollutant	Low-Level Gas Conc. (C_V)	Cylinder Serial #	Expiration Date	Cylinder Pressure	Mid-Level Gas Conc. (C_V)	Cylinder Serial #	Expiration Date	Cylinder Pressure	High-Level Gas Conc. (C_V/CS)	Cylinder Serial #	Expiration Date	Cylinder Pressure
NOx					24.97	CC317646	11/18/13	1800 psi	49.91	XC010176B	05/09/13	500 psi
CO					24.8	CC317646	11/18/13	1800 psi	51.42	XC010176B	05/09/13	500 psi
O2					10.13	CC14084	07/20/13	400 psi	20.75	CC146117	04/30/19	1000 psi

Direct Calibration Error Test

Pollutant	Zero Gas Response (C_{Dir})	Calibration Error (ACE)*	Low-Level Response (C_{Dir})	Calibration Error (ACE)*	Mid-Level Response (C_{Dir})	Calibration Error (ACE)*	High-Level Response (C_{Dir})	Calibration Error (ACE)*
NOx	-0.25	-0.50%			24.7	-0.54%	50.51	1.20%
CO	0.31	0.60%			25.29	0.91%	52.11	1.34%
O2	0.01	0.05%			10.16	0.14%	20.76	0.05%

** ACE must either be within ± 2.0% or ≤ 0.5 ppmv adsolute difference*

NO_2 to NO Conversion Efficiency Test

NO_2 Cal Gas Serial #	CC206538
NO_2 Cal Gas Concentration (C_V)	59.84
NO Analyzer Response (C_{Dir})	57.18
NO2-NO Conv. Efficiency (Eff_{NO2})*	95.6%

** Eff_{NO2} must be ≥ 90%*

Initial Sample System Bias and Response Time

Pollutant	Upscale Gas Cert. Conc. (C_{MA})	Upscale Gas Direct (C_{Dir})	Upscale Response (C_S)	Sample System Bias (SB)*	Response Time (sec)	Downscale Response (C_S)	Sample System Bias (SB)*	Response Time (sec)
NOx	24.97	24.7	24.27	-0.86%	41	-0.16	0.18%	38
CO	24.8	25.29	25.73	0.86%	40	0.47	0.31%	36
O2	10.13	10.16	10.16	0.00%	35	0.07	0.29%	31

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*

Erthwrks Gaseous Sample Collection and Quality Assurance Worksheet

Sample Collection Raw Data--Pre and Post Sample System Calibration (SSC) and Raw Run Results

	Run #:	Run 1		Run #:	Run 2		Run #:	Run 3			
	Start Time:	9:47		Start Time:	13:35		Start Time:	14:45			
	End Time:	10:47		End Time:	14:35		End Time:	15:45			
Pollutant	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**
NOx	-0.16	24.27	15.77	0.37	24.24	15.56	0.49	24.6	16.31	0.52	24.69
CO	0.47	25.73	13.92	0.86	25.13	12.76	0.43	25.0	13.26	0.54	25.26
O2	0.07	10.16	4.67	0.03	10.10	4.69	0.42	10.02	4.57	-0.01	10.00

Run 1 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	0.18%	-0.86%	1.24%	-0.92%	0.11	24.26	1.06%	0.06%	**16.20**
CO	0.31%	0.86%	1.07%	-0.31%	0.67	25.43	0.76%	1.17%	**13.28**
O2	0.29%	0.00%	0.10%	-0.29%	0.05	10.13	0.19%	0.29%	**4.64**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*
† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Run 2 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	1.24%	-0.92%	1.48%	-0.20%	0.43	24.42	0.24%	0.72%	**15.75**
CO	1.07%	-0.31%	0.23%	-0.56%	0.65	25.07	0.84%	0.25%	**12.31**
O2	0.10%	-0.29%	1.98%	-0.67%	0.23	10.06	1.88%	0.39%	**4.60**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*
† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Run 3 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	1.48%	-0.20%	1.54%	-0.02%	0.51	24.65	0.06%	0.18%	**16.35**
CO	0.23%	-0.56%	0.45%	-0.06%	0.49	25.13	0.21%	0.51%	**12.87**
O2	1.98%	-0.67%	-0.10%	-0.77%	0.21	10.01	2.07%	0.10%	**4.51**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*
† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Erthwrks Gaseous Sample Collection and Quality Assurance Worksheet

Date: 1/29/2012
Client: Burner Combustion
Facility: Vopak Terminal
Location: Galena Park, TX
Erthwrks Tech: Jarrod Hoskinson
Unit: Unit 1 / SN: 48S411155U

Calibration Gas Verification

Pollutant	Low-Level Gas Conc. (C_V)	Cylinder Serial #	Expiration Date	Cylinder Pressure	Mid-Level Gas Conc. (C_V)	Cylinder Serial #	Expiration Date	Cylinder Pressure	High-Level Gas Conc. (C_V/CS)	Cylinder Serial #	Expiration Date	Cylinder Pressure
NOx					24.97	CC317646	11/18/13	1800 psi	49.91	XC010176B	05/09/13	500 psi
CO					24.8	CC317646	11/18/13	1800 psi	51.42	XC010176B	05/09/13	500 psi
O2					10.13	CC14084	07/20/13	400 psi	20.75	CC146117	04/30/19	1000 psi

Direct Calibration Error Test

Pollutant	Zero Gas Response (C_{Dir})	Calibration Error (ACE)*	Low-Level Response (C_{Dir})	Calibration Error (ACE)*	Mid-Level Response (C_{Dir})	Calibration Error (ACE)*	High-Level Response (C_{Dir})	Calibration Error (ACE)*
NOx	-0.33	-0.66%			25.14	0.34%	50.85	1.88%
CO	0.36	0.70%			25.47	1.26%	50.62	-1.56%
O2	0.03	0.14%			10.17	0.19%	20.82	0.34%

** ACE must either be within ± 2.0% or ≤ 0.5 ppmv adsolute difference*

NO_2 to NO Conversion Efficiency Test

NO_2 Cal Gas Serial #	CC206538
NO_2 Cal Gas Concentration (C_V)	59.98
NO Analyzer Response (C_{Dir})	57.69
NO_2-NO Conv. Efficiency (Eff_{NO2})*	96.2%

** Eff_{NO2} must be ≥ 90%*

Initial Sample System Bias and Response Time

Pollutant	Upscale Gas Cert. Conc. (C_{MA})	Upscale Gas Direct (C_{Dir})	Upscale Response (C_S)	Sample System Bias (SB)*	Response Time (sec)	Downscale Response (C_S)	Sample System Bias (SB)*	Response Time (sec)
NOx	24.97	25.14	23.5	-3.29%	40	0.1	0.86%	38
CO	24.8	25.47	25.00	-0.91%	38	0.4	0.08%	37
O2	10.13	10.17	10.08	-0.43%	31	0.07	0.19%	31

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*

Erthwrks Gaseous Sample Collection and Quality Assurance Worksheet

Sample Collection Raw Data--Pre and Post Sample System Calibration (SSC) and Raw Run Results

	Run #:	Run 1		Run #:	Run 2		Run #:	Run 3			
	Start Time:	10:23		Start Time:	11:55		Start Time:	13:03			
	End Time:	11:23		End Time:	12:55		End Time:	14:03			
Pollutant	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**	**Raw Results (C_{Avg})**	**Zero SSC (C_S)**	**Upscale SSC (C_S)**
NOx	0.1	23.5	17.14	0.8	24.91	16.73	0.89	24.67	16.7	0.63	24.4
CO	0.4	25	13.12	-0.47	24.25	13.18	0.12	25.42	12.74	-0.83	25.15
O2	0.07	10.08	4.33	0.03	9.98	4.3	0.07	10.13	4.3	-0.01	9.91

Run 1 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	0.86%	-3.29%	2.26%	-0.46%	0.45	24.21	1.40%	2.83%	**17.54**
CO	0.08%	-0.91%	-1.61%	-2.37%	-0.04	24.63	1.69%	1.46%	**13.24**
O2	0.19%	-0.43%	0.00%	-0.92%	0.05	10.03	0.19%	0.48%	**4.34**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*

† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Run 2 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	2.26%	-0.46%	2.44%	-0.94%	0.85	24.79	0.18%	0.48%	**16.56**
CO	-1.61%	-2.37%	-0.47%	-0.10%	-0.18	24.84	1.15%	2.28%	**13.25**
O2	0.00%	-0.92%	0.19%	-0.19%	0.05	10.06	0.19%	0.72%	**4.30**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*

† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Run 3 Sample Collection Calculations--Pre- and Post-Run Sample System Bias Check, Drift Assessment, Corrected Results

Pollutant	Initial Zero Sys. Bias (SB)*	Initial Upscale Sys. Bias (SB)*	Final Zero Sys. Bias (SB)*	Final Upscale Sys. Bias (SB)*	Avg. Zero Sys. Bias (C_O)	Avg. Upscale Sys. Bias (C_M)	Zero Drift Assessment (D)†	Assessment (D)†	Results (C_{gas})
NOx	2.44%	-0.94%	1.92%	-1.48%	0.76	24.54	0.52%	0.54%	**16.74**
CO	-0.47%	-0.10%	-2.31%	-0.62%	-0.36	25.29	1.85%	0.53%	**12.68**
O2	0.19%	-0.19%	-0.19%	-1.25%	0.03	10.02	0.39%	1.06%	**4.33**

** SB must either be within ± 5.0% or ≤ 0.5 ppmv adsolute difference*

† D must either be within ± 3.0% or the pre- and post-run bias responses are ≤ 0.5 ppmv adsolute difference

Attachment C
Example Calculations

Erthwrks Example Calculations

Example Calcs for Run : **Run 1**
Example Calcs for Pollutant : NOx

C_V	= 24.97	=	Manufacturer certified concentration of calibration gas, ppmv.
C_{Dir}	= 24.70	=	Measured concentration of the cal gas when introduced in direct mode, ppmv.
CS	= 49.91	=	Calibration span, ppmv.
C_S	= 24.27	=	Measured concentration of the cal gas when introduced in the system cal mode, ppmv.
SB_i	-0.86%	=	Pre-run system bias, percent of calibration span.
SB_f	-0.92%	=	Post-run system bias, percent of calibration span.
C_{Avg}	= 15.77	=	Average unadjusted gas concentration for test run, ppmv.
C_0	0.11	=	Average of the pre- and post-run system cal bias responses from zero gas, ppmv.
C_M	= 24.26	=	Average of the pre- and post-run system cal bias responses from the upscale gas, ppmv.
C_{MA}	= 24.97	=	Actual concentration of the upscale calibration gas, ppmv.

Analyzer Calibration Error (Eq. 7E-1)

$$ACE = \frac{C_{Dir} - C_V}{CS} \times 100$$

$$ACE = \frac{24.70 - 24.97}{49.91} \times 100$$

ACE = -0.54%

Sample System Bias (Eq. 7E-2)

$$SB = \frac{C_S - C_{Dir}}{CS} \times 100$$

$$SB = \frac{24.27 - 24.70}{49.91} \times 100$$

SB = -0.86%

Drift Assessment (Eq. 7E-4)

$$D = ABS(SB_f - SB_i)$$

$$D = -ABS(0.01 -- 0.01)$$

D = 0.06%

Effluent Gas Concentration (Eq. 7E-5)

$$C_{Gas} = (C_{Avg} - C_O)\frac{C_{MA}}{C_M - C_O}$$

$$C_{Gas} = (15.77 - 0.11)\frac{24.97}{24.26 - 0.11}$$

C_{Gas} = 16.20

Erthwrks Example Calculations

Nomenclature

MGV	Molar gas volume, volume of gas at standard conditions, scf/lbmol
V	Volume, ft3
n	Moles, lbmol
F_d	Fuel F Factor, scf/MMBtu
%O2d	Oxygen concentration measured on a dry basis, %
F_H	Fuel Heating Value (MMBtu/hr)
Hp	Engine horse power during test, hp

Constants

R	10.7316	Universal gas constant, ft^3 psi / R lbmol
T_s	527.67	Standard Temperature, R
p_s	14.696	Standard Pressure, psi
MW_{NOx}	46.0055	Molecular Weight of NOx, lb/lbmol
MW_{CO}	28.0104	Molecular Weight of CO, lb/lbmol
MW_{SO2}	64.0588	Molecular Weight of SO_2, lb/lbmol
MW_{VOC}	44.0962	Molecular Weight of VOC as propane, lb/lbmol
F_d	8710	Fuel F Factor for Natural Gas--Method 19 value, scf/MMBtu
$Conv_{lb-g}$	453.6	Number of grams in one pound

Molar gas volume (MGV) calculation at standard conditions (Ideal Gas Law)

$$MGV = \frac{V}{n} = \frac{R * T_s}{p_s}$$

$$MGV = \frac{V}{n} = \frac{10.7316 * 527.67}{14.696}$$

$$\mathbf{MGV = 385.325 \ \frac{scf}{lbmol}}$$

Emission Concentration, C_{NOx}, lb/scf (For NOx, Run 1)

$$C_{NOx} = \frac{PPM_{NOx} * MW_{NOx}}{MGV} * 10^{-6}$$

$$C_{NOx} = \frac{16.20 * 46.0055}{385.325} * 10^{-6}$$

$$\mathbf{C_{NOx} = 1.93E\text{-}06 \ \frac{lb}{scf}}$$

Erthwrks Example Calculations

Emission Rate Calculation, $E_{(lb/MMBtu)}$, (For NOx, Run 1)

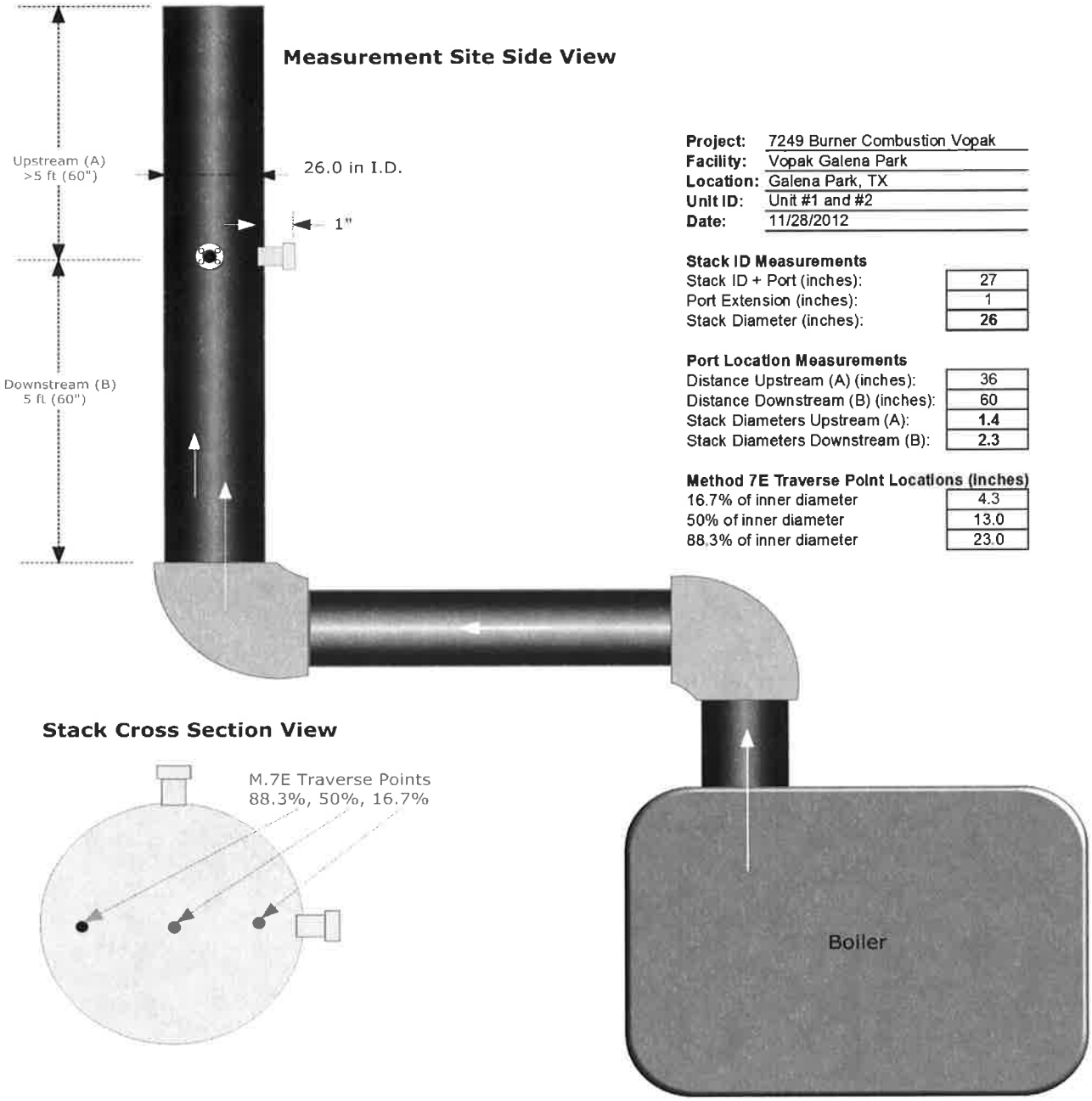
$$E_{(lb/MMBtu)} = C_{NOx} * F_d * \frac{20.9}{20.9 - \%O2d}$$

$$E_{(lb/MMBtu)} = 1.93E\text{-}06 * 8710 * \frac{20.9}{20.9 - 4.64}$$

$$\mathbf{E_{(lb/MMBtu)} = 0.022 \frac{lb}{MMBtu}}$$

Attachment D
Detailed Stack and Sample System Diagrams

Erthwrks Traverse Point Location Worksheet



Project:	7249 Burner Combustion Vopak
Facility:	Vopak Galena Park
Location:	Galena Park, TX
Unit ID:	Unit #1 and #2
Date:	11/28/2012

Stack ID Measurements

Stack ID + Port (inches):	27
Port Extension (inches):	1
Stack Diameter (inches):	**26**

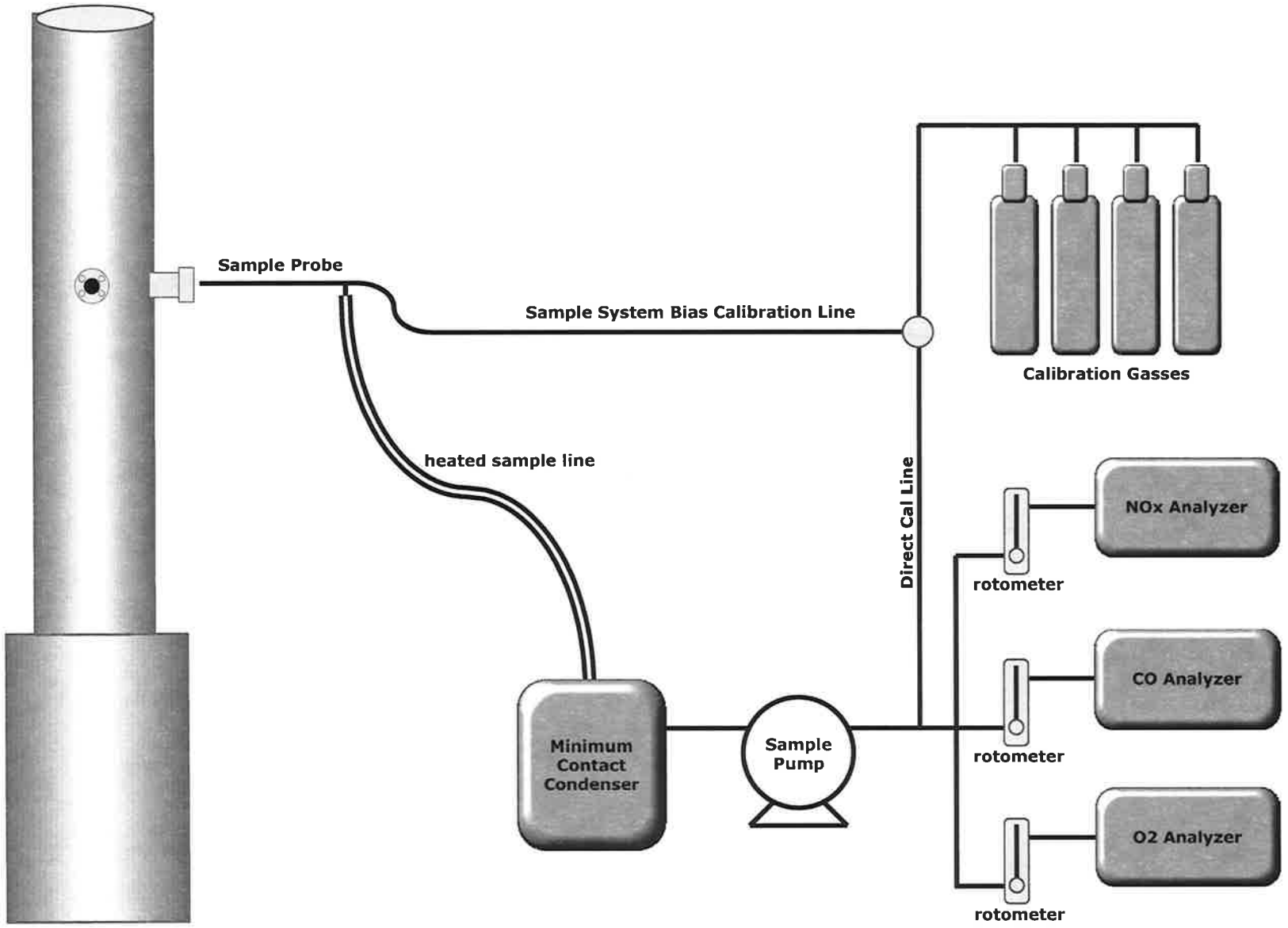
Port Location Measurements

Distance Upstream (A) (inches):	36
Distance Downstream (B) (inches):	60
Stack Diameters Upstream (A):	**1.4**
Stack Diameters Downstream (B):	**2.3**

Method 7E Traverse Point Locations (inches)

16.7% of inner diameter	4.3
50% of inner diameter	13.0
88.3% of inner diameter	23.0

Erthwrks Sample System Diagram



Attachment E
Datalog Records

Date	Job#	Client	Unit	Run ID	O2 %	CO2 %	CO ppm	Nox ppm	
11/28/2012 8:52	7249	Burner Combustion	Boiler# 2		20.68	1.60	1.83	7.03	
11/28/2012 8:53	7249	Burner Combustion	Boiler# 2		20.68	9.69	-0.73	0.97	
11/28/2012 8:54	7249	Burner Combustion	Boiler# 2		20.69	10.49	-1.40	-0.32	
11/28/2012 8:55	7249	Burner Combustion	Boiler# 2		20.72	10.73	0.36	-0.33	
11/28/2012 8:56	7249	Burner Combustion	Boiler# 2	Direct Cal	20.76	10.66	0.31	-0.25	
11/28/2012 8:57	7249	Burner Combustion	Boiler# 2		11.75	6.84	0.80	-0.35	
11/28/2012 8:58	7249	Burner Combustion	Boiler# 2	Direct Cal	10.16	5.07	0.68	-0.25	
11/28/2012 8:59	7249	Burner Combustion	Boiler# 2		4.81	3.61	14.84	0.10	
11/28/2012 9:00	7249	Burner Combustion	Boiler# 2		0.04	0.03	48.39	40.34	
11/28/2012 9:01	7249	Burner Combustion	Boiler# 2	Direct Cal	0.01	0.01	52.11	50.51	
11/28/2012 9:02	7249	Burner Combustion	Boiler# 2		0.02	0.01	50.12	48.63	
11/28/2012 9:03	7249	Burner Combustion	Boiler# 2		0.02	0.01	29.47	23.34	
11/28/2012 9:04	7249	Burner Combustion	Boiler# 2	Direct Cal	0.01	0.01	25.29	24.70	
11/28/2012 9:05	7249	Burner Combustion	Boiler# 2		10.77	0.01	21.11	28.14	
11/28/2012 9:06	7249	Burner Combustion	Boiler# 2		20.78	0.01	2.56	51.38	
11/28/2012 9:07	7249	Burner Combustion	Boiler# 2	Nox CET	20.83	0.01	0.44	57.18	
11/28/2012 9:08	7249	Burner Combustion	Boiler# 2		17.76	1.03	23.34	51.54	
11/28/2012 9:09	7249	Burner Combustion	Boiler# 2		0.03	0.01	50.12	49.45	
11/28/2012 9:10	7249	Burner Combustion	Boiler# 2		0.04	0.01	29.47	24.15	
11/28/2012 9:11	7249	Burner Combustion	Boiler# 2		0.01	0.01	25.29	24.50	
11/28/2012 9:12	7249	Burner Combustion	Boiler# 2		10.77	0.01	21.11	27.07	
11/28/2012 9:13	7249	Burner Combustion	Boiler# 2		11.73	6.85	0.80	-0.35	
11/28/2012 9:14	7249	Burner Combustion	Boiler# 2		10.17	5.07	0.88	-0.35	
11/28/2012 9:15	7249	Burner Combustion	Boiler# 2		6.80	3.73	14.64	0.14	
11/28/2012 9:16	7249	Burner Combustion	Boiler# 2		0.04	0.03	48.39	41.32	
11/28/2012 9:17	7249	Burner Combustion	Boiler# 2		17.76	1.03	23.34	51.64	
11/28/2012 9:18	7249	Burner Combustion	Boiler# 2		0.03	0.01	50.12	48.85	
11/28/2012 9:19	7249	Burner Combustion	Boiler# 2		-0.01	0.02	51.14	52.18	
11/28/2012 9:20	7249	Burner Combustion	Boiler# 2		-0.01	0.02	50.03	48.58	
11/28/2012 9:21	7249	Burner Combustion	Boiler# 2		0.00	0.02	32.00	25.75	
11/28/2012 9:22	7249	Burner Combustion	Boiler# 2		7.26	0.02	24.17	24.42	
11/28/2012 9:23	7249	Burner Combustion	Boiler# 2		12.36	1.21	22.12	11.50	
11/28/2012 9:24	7249	Burner Combustion	Boiler# 2		10.12	4.87	5.39	0.86	
11/28/2012 9:25	7249	Burner Combustion	Boiler# 2	Cal TTP	10.16	5.02	0.47	-0.16	
11/28/2012 9:26	7249	Burner Combustion	Boiler# 2		1.75	1.69	12.89	14.05	
11/28/2012 9:27	7249	Burner Combustion	Boiler# 2	Cal TTP	0.07	0.02	25.73	24.27	
11/28/2012 9:28	7249	Burner Combustion	Boiler# 2		1.99	1.36	24.44	23.12	
11/28/2012 9:29	7249	Burner Combustion	Boiler# 2		5.60	8.52	11.41	10.18	
11/28/2012 9:30	7249	Burner Combustion	Boiler# 2		5.65	8.72	9.09	8.72	
11/28/2012 9:31	7249	Burner Combustion	Boiler# 2		5.68	8.77	9.08	8.62	
11/28/2012 9:32	7249	Burner Combustion	Boiler# 2		5.65	8.81	9.14	8.58	
11/28/2012 9:33	7249	Burner Combustion	Boiler# 2		5.69	8.76	9.14	8.65	
11/28/2012 9:34	7249	Burner Combustion	Boiler# 2		5.73	8.79	9.15	8.68	
11/28/2012 9:35	7249	Burner Combustion	Boiler# 2		5.88	8.64	9.26	8.47	
11/28/2012 9:36	7249	Burner Combustion	Boiler# 2		5.84	8.79	9.72	9.76	
11/28/2012 9:37	7249	Burner Combustion	Boiler# 2		4.84	9.41	11.88	14.28	
11/28/2012 9:38	7249	Burner Combustion	Boiler# 2		4.66	9.41	12.40	14.00	
11/28/2012 9:39	7249	Burner Combustion	Boiler# 2		4.66	9.42	12.40	14.17	
11/28/2012 9:40	7249	Burner Combustion	Boiler# 2		4.65	9.44	12.60	14.39	
11/28/2012 9:41	7249	Burner Combustion	Boiler# 2		4.66	9.42	12.69	14.57	
11/28/2012 9:42	7249	Burner Combustion	Boiler# 2		4.83	9.28	13.36	14.27	
11/28/2012 9:43	7249	Burner Combustion	Boiler# 2		5.76	8.61	11.36	8.65	
11/28/2012 9:44	7249	Burner Combustion	Boiler# 2		6.02	8.60	10.82	8.10	
11/28/2012 9:45	7249	Burner Combustion	Boiler# 2		6.00	8.62	11.08	8.13	
11/28/2012 9:46	7249	Burner Combustion	Boiler# 2		5.92	8.63	11.43	14.09	
11/28/2012 9:47	7249	Burner Combustion	Boiler# 2	Point 1	5.09	9.31	13.57	15.74	Averages
11/28/2012 9:48	7249	Burner Combustion	Boiler# 2	Point 1	4.51	9.55	15.28	15.55	15.64
11/28/2012 9:49	7249	Burner Combustion	Boiler# 2	Point 2	4.54	9.49	15.10	15.47	
11/28/2012 9:50	7249	Burner Combustion	Boiler# 2	Point 2	4.67	9.32	13.43	15.59	15.53
11/28/2012 9:51	7249	Burner Combustion	Boiler# 2	Point 3	4.87	9.38	12.72	15.54	
11/28/2012 9:52	7249	Burner Combustion	Boiler# 2	Point 3	4.67	9.41	14.29	15.41	15.47
11/28/2012 9:53	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.36	14.29	15.00	
11/28/2012 9:54	7249	Burner Combustion	Boiler# 2	Run 1	4.71	9.41	14.22	14.98	
11/28/2012 9:55	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.39	14.17	14.98	
11/28/2012 9:56	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.45	14.31	15.11	
11/28/2012 9:57	7249	Burner Combustion	Boiler# 2	Run 1	4.62	9.44	14.27	15.36	
11/28/2012 9:58	7249	Burner Combustion	Boiler# 2	Run 1	4.65	9.46	14.27	15.52	
11/28/2012 9:59	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.43	14.27	15.65	
11/28/2012 10:00	7249	Burner Combustion	Boiler# 2	Run 1	4.65	9.43	14.13	15.75	
11/28/2012 10:01	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.43	13.89	15.59	
11/28/2012 10:02	7249	Burner Combustion	Boiler# 2	Run 1	4.64	9.42	14.17	15.39	
11/28/2012 10:03	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.44	14.00	15.43	

11/28/2012 10:04	7249	Burner Combustion	Boiler# 2	Run 1	4.64	9.41	14.00	15.50
11/28/2012 10:05	7249	Burner Combustion	Boiler# 2	Run 1	4.61	9.44	14.00	15.69
11/28/2012 10:06	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.42	14.00	16.12
11/28/2012 10:07	7249	Burner Combustion	Boiler# 2	Run 1	4.65	9.43	14.01	16.34
11/28/2012 10:08	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.46	14.00	16.12
11/28/2012 10:09	7249	Burner Combustion	Boiler# 2	Run 1	4.66	9.42	13.94	16.11
11/28/2012 10:10	7249	Burner Combustion	Boiler# 2	Run 1	4.66	9.46	13.93	16.15
11/28/2012 10:11	7249	Burner Combustion	Boiler# 2	Run 1	4.68	9.46	13.74	16.06
11/28/2012 10:12	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.37	13.73	15.85
11/28/2012 10:13	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.39	13.73	16.08
11/28/2012 10:14	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.39	13.80	16.09
11/28/2012 10:15	7249	Burner Combustion	Boiler# 2	Run 1	4.66	9.39	13.88	15.91
11/28/2012 10:16	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.42	13.75	15.71
11/28/2012 10:17	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.43	13.74	15.64
11/28/2012 10:18	7249	Burner Combustion	Boiler# 2	Run 1	4.71	9.39	13.75	15.79
11/28/2012 10:19	7249	Burner Combustion	Boiler# 2	Run 1	4.71	9.42	13.76	15.77
11/28/2012 10:20	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.42	13.76	15.92
11/28/2012 10:21	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.43	13.76	16.09
11/28/2012 10:22	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.42	13.75	16.11
11/28/2012 10:23	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.43	13.75	15.80
11/28/2012 10:24	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.45	13.74	15.95
11/28/2012 10:25	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.43	13.74	16.06
11/28/2012 10:26	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.39	13.74	16.15
11/28/2012 10:27	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.43	13.80	16.08
11/28/2012 10:28	7249	Burner Combustion	Boiler# 2	Run 1	4.62	9.40	14.00	16.04
11/28/2012 10:29	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.41	13.82	15.94
11/28/2012 10:30	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.46	13.96	15.86
11/28/2012 10:31	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.37	13.77	15.86
11/28/2012 10:32	7249	Burner Combustion	Boiler# 2	Run 1	4.75	9.37	13.56	15.81
11/28/2012 10:33	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.37	13.74	15.66
11/28/2012 10:34	7249	Burner Combustion	Boiler# 2	Run 1	4.68	9.42	13.84	15.70
11/28/2012 10:35	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.43	13.76	15.92
11/28/2012 10:36	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.39	13.74	15.97
11/28/2012 10:37	7249	Burner Combustion	Boiler# 2	Run 1	4.68	9.43	13.74	15.77
11/28/2012 10:38	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.41	13.74	15.78
11/28/2012 10:39	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.39	13.76	15.80
11/28/2012 10:40	7249	Burner Combustion	Boiler# 2	Run 1	4.62	9.42	14.01	15.74
11/28/2012 10:41	7249	Burner Combustion	Boiler# 2	Run 1	4.66	9.46	13.88	15.71
11/28/2012 10:42	7249	Burner Combustion	Boiler# 2	Run 1	4.63	9.47	14.01	15.73
11/28/2012 10:43	7249	Burner Combustion	Boiler# 2	Run 1	4.62	9.44	14.02	15.85
11/28/2012 10:44	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.43	13.80	15.98
11/28/2012 10:45	7249	Burner Combustion	Boiler# 2	Run 1	4.69	9.41	13.74	15.99
11/28/2012 10:46	7249	Burner Combustion	Boiler# 2	Run 1	4.67	9.42	13.74	15.92
11/28/2012 10:47	7249	Burner Combustion	Boiler# 2	Run 1	4.70	9.38	13.68	15.90
End Run 1								
			Run Averages		***4.67***	***9.42***	***13.92***	***15.77***
11/28/2012 10:48	7249	Burner Combustion	Boiler# 2		5.59	9.00	13.91	15.91
11/28/2012 10:49	7249	Burner Combustion	Boiler# 2		10.03	5.25	6.74	5.30
11/28/2012 10:50	7249	Burner Combustion	Boiler# 2	Cal TTP	10.10	5.05	2.33	0.49
11/28/2012 10:51	7249	Burner Combustion	Boiler# 2		10.10	5.04	0.86	0.37
11/28/2012 10:52	7249	Burner Combustion	Boiler# 2		3.42	2.79	8.09	8.03
11/28/2012 10:53	7249	Burner Combustion	Boiler# 2	Cal TTP	0.06	0.02	25.13	24.24
11/28/2012 10:54	7249	Burner Combustion	Boiler# 2		0.03	0.02	25.14	24.22
11/28/2012 10:55	7249	Burner Combustion	Boiler# 2		3.89	6.06	19.32	19.76
11/28/2012 10:56	7249	Burner Combustion	Boiler# 2		4.57	9.42	12.57	15.03
11/28/2012 10:57	7249	Burner Combustion	Boiler# 2		4.60	9.45	12.41	15.19
11/28/2012 10:58	7249	Burner Combustion	Boiler# 2		4.61	9.49	12.40	15.43
11/28/2012 10:59	7249	Burner Combustion	Boiler# 2		11.99	6.90	12.21	15.33
11/28/2012 11:00	7249	Burner Combustion	Boiler# 2		20.62	0.11	3.18	3.20
11/28/2012 11:01	7249	Burner Combustion	Boiler# 2		9.27	4.57	21.05	9.01
11/28/2012 11:02	7249	Burner Combustion	Boiler# 2		2.48	10.83	47.39	32.59
11/28/2012 11:03	7249	Burner Combustion	Boiler# 2		2.06	11.00	54.13	38.50
11/28/2012 11:04	7249	Burner Combustion	Boiler# 2		1.97	11.10	61.64	38.87
11/28/2012 11:05	7249	Burner Combustion	Boiler# 2		2.36	10.74	39.12	35.51
11/28/2012 11:06	7249	Burner Combustion	Boiler# 2		2.87	10.52	30.33	30.63
11/28/2012 11:07	7249	Burner Combustion	Boiler# 2		2.82	10.53	31.09	30.61
11/28/2012 11:08	7249	Burner Combustion	Boiler# 2		3.06	10.37	26.91	29.95
11/28/2012 11:09	7249	Burner Combustion	Boiler# 2		3.38	10.13	22.91	26.82
11/28/2012 11:10	7249	Burner Combustion	Boiler# 2		3.36	10.23	23.45	26.25
11/28/2012 11:11	7249	Burner Combustion	Boiler# 2		3.44	10.15	22.51	26.42
11/28/2012 11:12	7249	Burner Combustion	Boiler# 2		3.89	9.76	18.65	22.17
11/28/2012 11:13	7249	Burner Combustion	Boiler# 2		4.40	9.55	14.62	17.98
11/28/2012 11:14	7249	Burner Combustion	Boiler# 2		4.37	9.58	14.68	18.07

11/28/2012 11:15	7249	Burner Combustion	Boiler# 2		4.32	9.60	14.81	18.15
11/28/2012 11:16	7249	Burner Combustion	Boiler# 2		4.40	9.57	14.55	18.20
11/28/2012 11:17	7249	Burner Combustion	Boiler# 2		4.38	9.59	14.64	18.14
11/28/2012 11:18	7249	Burner Combustion	Boiler# 2		4.32	9.60	15.06	18.09
11/28/2012 11:19	7249	Burner Combustion	Boiler# 2		4.32	9.64	14.93	18.18
11/28/2012 11:20	7249	Burner Combustion	Boiler# 2		4.32	9.67	14.80	18.41
11/28/2012 11:21	7249	Burner Combustion	Boiler# 2		4.35	9.59	14.80	18.50
11/28/2012 11:22	7249	Burner Combustion	Boiler# 2		15.20	5.05	12.16	13.68
11/28/2012 11:23	7249	Burner Combustion	Boiler# 2		20.63	0.03	2.04	1.34
11/28/2012 11:24	7249	Burner Combustion	Boiler# 2		14.48	1.64	47.65	2.16
11/28/2012 11:25	7249	Burner Combustion	Boiler# 2		2.40	10.58	18.65	52.00
11/28/2012 11:26	7249	Burner Combustion	Boiler# 2		2.79	10.34	15.73	46.63
11/28/2012 11:27	7249	Burner Combustion	Boiler# 2		6.79	9.00	13.91	15.91
11/28/2012 11:28	7249	Burner Combustion	Boiler# 2		10.03	5.25	6.74	5.30
11/28/2012 11:29	7249	Burner Combustion	Boiler# 2	Cal TTP	10.10	5.05	2.85	0.70
11/28/2012 11:30	7249	Burner Combustion	Boiler# 2		10.10	5.13	0.86	0.37
11/28/2012 11:31	7249	Burner Combustion	Boiler# 2		4.42	2.83	8.19	8.33
11/28/2012 11:32	7249	Burner Combustion	Boiler# 2	Cal TTP	0.05	0.02	25.13	24.24
11/28/2012 11:33	7249	Burner Combustion	Boiler# 2		0.02	0.02	25.14	24.42
11/28/2012 11:34	7249	Burner Combustion	Boiler# 2		3.89	6.06	19.32	19.58
11/28/2012 11:35	7249	Burner Combustion	Boiler# 2		4.77	9.51	12.49	15.11
11/28/2012 11:36	7249	Burner Combustion	Boiler# 2		5.20	9.13	9.86	12.71
11/28/2012 11:37	7249	Burner Combustion	Boiler# 2		4.43	9.57	14.41	14.23
11/28/2012 11:38	7249	Burner Combustion	Boiler# 2		4.37	9.60	14.49	16.61
11/28/2012 11:39	7249	Burner Combustion	Boiler# 2		4.74	9.26	12.72	17.36
11/28/2012 11:40	7249	Burner Combustion	Boiler# 2		4.94	9.26	11.86	15.90
11/28/2012 11:41	7249	Burner Combustion	Boiler# 2		4.92	9.26	11.86	14.43
11/28/2012 11:42	7249	Burner Combustion	Boiler# 2		4.93	9.26	11.86	14.17
11/28/2012 11:43	7249	Burner Combustion	Boiler# 2		4.92	9.25	11.86	14.16
11/28/2012 11:44	7249	Burner Combustion	Boiler# 2		4.95	9.24	11.86	14.20
11/28/12 11:45	7249	Burner Combustion	Boiler# 2		4.97	9.22	11.68	14.15
11/28/12 11:46	7249	Burner Combustion	Boiler# 2		4.97	9.21	11.60	14.02
11/28/12 11:47	7249	Burner Combustion	Boiler# 2		4.90	9.31	11.93	14.30
11/28/12 11:48	7249	Burner Combustion	Boiler# 2		4.15	9.78	16.63	20.68
11/28/12 11:49	7249	Burner Combustion	Boiler# 2		4.38	9.22	13.91	14.28
11/28/12 11:50	7249	Burner Combustion	Boiler# 2		2.72	10.58	29.80	28.81
11/28/12 11:51	7249	Burner Combustion	Boiler# 2		2.59	10.70	37.20	33.20
11/28/12 11:52	7249	Burner Combustion	Boiler# 2		2.89	10.39	30.51	32.31
11/28/12 11:53	7249	Burner Combustion	Boiler# 2		3.40	10.17	22.75	25.79
11/28/12 11:54	7249	Burner Combustion	Boiler# 2		3.53	10.14	21.11	24.75
11/28/12 11:55	7249	Burner Combustion	Boiler# 2		3.51	10.16	21.51	25.05
11/28/12 11:56	7249	Burner Combustion	Boiler# 2		9.44	8.55	26.55	29.12
11/28/12 11:57	7249	Burner Combustion	Boiler# 2		20.57	0.25	6.24	3.69
11/28/12 11:58	7249	Burner Combustion	Boiler# 2		20.65	0.02	1.25	1.04
11/28/12 11:59	7249	Burner Combustion	Boiler# 2		20.69	0.02	0.73	0.89
11/28/12 12:00	7249	Burner Combustion	Boiler# 2		11.93	3.07	12.85	9.80
11/28/12 12:01	7249	Burner Combustion	Boiler# 2		3.72	9.88	12.64	31.61
11/28/12 12:02	7249	Burner Combustion	Boiler# 2		4.74	9.14	12.75	15.35
11/28/12 12:03	7249	Burner Combustion	Boiler# 2		4.75	9.36	12.95	14.35
11/28/12 12:04	7249	Burner Combustion	Boiler# 2		4.02	9.50	15.11	15.24
11/28/12 12:05	7249	Burner Combustion	Boiler# 2		2.59	10.72	35.82	32.75
11/28/12 12:06	7249	Burner Combustion	Boiler# 2		2.68	10.56	36.80	33.22
11/28/12 12:07	7249	Burner Combustion	Boiler# 2		3.43	10.11	22.95	25.06
11/28/12 12:08	7249	Burner Combustion	Boiler# 2		3.72	9.89	20.47	23.95
11/28/12 12:09	7249	Burner Combustion	Boiler# 2		5.59	8.55	10.96	10.41
11/28/12 12:10	7249	Burner Combustion	Boiler# 2		6.18	8.44	9.16	8.40
11/28/12 12:11	7249	Burner Combustion	Boiler# 2		6.21	8.39	9.15	8.27
11/28/12 12:12	7249	Burner Combustion	Boiler# 2		6.03	8.61	9.53	8.59
11/28/12 12:13	7249	Burner Combustion	Boiler# 2		4.49	9.76	15.60	16.94
11/28/12 12:14	7249	Burner Combustion	Boiler# 2		3.17	10.39	26.49	29.05
11/28/12 12:15	7249	Burner Combustion	Boiler# 2		3.46	10.05	22.34	24.88
11/28/12 12:16	7249	Burner Combustion	Boiler# 2		10.47	7.82	19.05	23.62
11/28/12 12:17	7249	Burner Combustion	Boiler# 2		20.57	0.17	3.95	2.94
11/28/12 12:18	7249	Burner Combustion	Boiler# 2		16.32	2.35	12.77	8.10
11/28/12 12:19	7249	Burner Combustion	Boiler# 2		16.41	2.39	13.90	13.64
11/28/12 12:20	7249	Burner Combustion	Boiler# 2		16.34	2.40	12.05	3.42
11/28/12 12:21	7249	Burner Combustion	Boiler# 2		8.72	4.99	11.03	12.73
11/28/12 12:22	7249	Burner Combustion	Boiler# 2		17.69	3.59	6.44	16.46
11/28/12 12:23	7249	Burner Combustion	Boiler# 2		20.62	0.02	0.72	0.84
11/28/12 12:24	7249	Burner Combustion	Boiler# 2		20.65	0.02	0.41	0.64
11/28/12 12:25	7249	Burner Combustion	Boiler# 2		20.65	0.02	0.41	0.53
11/28/12 12:26	7249	Burner Combustion	Boiler# 2		15.99	1.16	15.36	1.35
11/28/12 12:27	7249	Burner Combustion	Boiler# 2		5.57	8.56	13.84	11.34

11/28/12 12:28	7249	Burner Combustion	Boiler# 2		2.61	10.44	29.12	26.08
11/28/12 12:29	7249	Burner Combustion	Boiler# 2		2.82	10.32	32.64	32.83
11/28/12 12:30	7249	Burner Combustion	Boiler# 2		3.41	10.18	23.32	25.16
11/28/12 12:31	7249	Burner Combustion	Boiler# 2		3.29	10.23	24.52	26.24
11/28/12 12:32	7249	Burner Combustion	Boiler# 2		3.49	10.09	21.90	25.94
11/28/12 12:33	7249	Burner Combustion	Boiler# 2		3.56	10.08	21.10	24.96
11/28/12 12:34	7249	Burner Combustion	Boiler# 2		3.69	9.94	19.85	24.04
11/28/12 12:35	7249	Burner Combustion	Boiler# 2		3.90	9.89	18.07	22.95
11/28/12 12:36	7249	Burner Combustion	Boiler# 2		3.89	9.86	18.03	21.78
11/28/12 12:37	7249	Burner Combustion	Boiler# 2		4.14	9.62	16.24	20.93
11/28/12 12:38	7249	Burner Combustion	Boiler# 2		4.31	9.63	15.04	19.55
11/28/12 12:39	7249	Burner Combustion	Boiler# 2		4.26	9.59	15.31	18.66
11/28/12 12:40	7249	Burner Combustion	Boiler# 2		4.26	9.58	15.12	18.61
11/28/12 12:41	7249	Burner Combustion	Boiler# 2		4.46	9.41	14.47	17.87
11/28/12 12:42	7249	Burner Combustion	Boiler# 2		5.75	8.56	10.07	9.17
11/28/12 12:43	7249	Burner Combustion	Boiler# 2		5.96	8.55	9.44	8.74
11/28/12 12:44	7249	Burner Combustion	Boiler# 2		5.98	8.56	9.34	8.71
11/28/12 12:45	7249	Burner Combustion	Boiler# 2		5.99	8.56	9.18	8.67
11/28/12 12:46	7249	Burner Combustion	Boiler# 2		16.96	3.78	8.22	5.60
11/28/12 12:47	7249	Burner Combustion	Boiler# 2		6.07	6.48	15.72	10.81
11/28/12 12:48	7249	Burner Combustion	Boiler# 2		0.77	11.10	914.68	29.61
11/28/12 12:49	7249	Burner Combustion	Boiler# 2		0.72	11.38	1051.04	59.11
11/28/12 12:50	7249	Burner Combustion	Boiler# 2		3.09	10.37	349.16	34.20
11/28/12 12:51	7249	Burner Combustion	Boiler# 2		3.94	9.68	22.79	20.92
11/28/12 12:52	7249	Burner Combustion	Boiler# 2		4.35	9.57	16.45	18.17
11/28/12 12:53	7249	Burner Combustion	Boiler# 2		4.39	9.58	14.71	18.04
11/28/12 12:54	7249	Burner Combustion	Boiler# 2		4.41	9.58	13.99	18.02
11/28/12 12:55	7249	Burner Combustion	Boiler# 2		4.44	9.54	13.50	18.05
11/28/12 12:56	7249	Burner Combustion	Boiler# 2		4.58	9.41	12.66	17.68
11/28/12 12:57	7249	Burner Combustion	Boiler# 2		4.76	9.36	11.77	16.51
11/28/12 12:58	7249	Burner Combustion	Boiler# 2		4.76	9.37	11.59	15.63
11/28/12 12:59	7249	Burner Combustion	Boiler# 2		4.69	9.39	11.79	15.41
11/28/12 13:00	7249	Burner Combustion	Boiler# 2		4.66	9.37	11.91	15.49
11/28/12 13:01	7249	Burner Combustion	Boiler# 2		4.71	9.35	11.81	15.63
11/28/12 13:02	7249	Burner Combustion	Boiler# 2		4.72	9.34	11.60	15.69
11/28/12 13:03	7249	Burner Combustion	Boiler# 2		4.75	9.36	11.52	15.61
11/28/12 13:04	7249	Burner Combustion	Boiler# 2		4.75	9.36	11.49	15.47
11/28/12 13:05	7249	Burner Combustion	Boiler# 2		4.65	9.37	11.77	15.56
11/28/12 13:06	7249	Burner Combustion	Boiler# 2		4.81	9.21	11.37	15.69
11/28/12 13:07	7249	Burner Combustion	Boiler# 2		5.55	8.81	9.30	14.19
11/28/12 13:08	7249	Burner Combustion	Boiler# 2		5.67	8.73	8.88	11.77
11/28/12 13:09	7249	Burner Combustion	Boiler# 2		5.71	8.76	8.83	10.30
11/28/12 13:10	7249	Burner Combustion	Boiler# 2		5.80	8.64	8.89	10.15
11/28/12 13:11	7249	Burner Combustion	Boiler# 2		6.54	8.12	8.92	8.95
11/28/12 13:12	7249	Burner Combustion	Boiler# 2		6.73	8.08	8.99	7.34
11/28/12 13:13	7249	Burner Combustion	Boiler# 2		6.83	8.07	21.54	5.99
11/28/12 13:14	7249	Burner Combustion	Boiler# 2		18.63	2.75	91.64	5.51
11/28/12 13:15	7249	Burner Combustion	Boiler# 2		15.47	1.01	449.09	4.13
11/28/12 13:16	7249	Burner Combustion	Boiler# 2		2.07	10.87	426.08	56.90
11/28/12 13:17	7249	Burner Combustion	Boiler# 2		18.13	3.34	253.79	30.15
11/28/12 13:18	7249	Burner Combustion	Boiler# 2		18.82	0.23	13.80	0.87
11/28/12 13:19	7249	Burner Combustion	Boiler# 2		18.24	1.44	23.59	7.26
11/28/12 13:20	7249	Burner Combustion	Boiler# 2		6.57	7.12	50.65	12.47
11/28/12 13:21	7249	Burner Combustion	Boiler# 2		5.49	9.06	11.32	11.06
11/28/12 13:22	7249	Burner Combustion	Boiler# 2		4.44	9.73	15.30	17.40
11/28/12 13:23	7249	Burner Combustion	Boiler# 2		3.35	10.33	24.65	27.91
11/28/12 13:24	7249	Burner Combustion	Boiler# 2		15.09	5.13	61.80	16.57
11/28/12 13:25	7249	Burner Combustion	Boiler# 2		17.45	0.52	16.69	1.71
11/28/12 13:26	7249	Burner Combustion	Boiler# 2		5.96	8.10	16.57	16.48
11/28/12 13:27	7249	Burner Combustion	Boiler# 2		5.43	8.97	10.53	11.63
11/28/12 13:28	7249	Burner Combustion	Boiler# 2		5.34	9.02	10.52	11.83
11/28/12 13:29	7249	Burner Combustion	Boiler# 2		5.19	9.13	10.81	11.91
11/28/12 13:30	7249	Burner Combustion	Boiler# 2		4.92	9.21	11.58	12.83
11/28/12 13:31	7249	Burner Combustion	Boiler# 2		4.94	9.20	11.59	13.71
11/28/12 13:32	7249	Burner Combustion	Boiler# 2		4.85	9.31	11.92	14.30
11/28/12 13:33	7249	Burner Combustion	Boiler# 2		4.71	9.37	12.75	14.82
11/28/12 13:34	7249	Burner Combustion	Boiler# 2		4.67	9.38	12.88	15.44
11/28/12 13:35	7249	Burner Combustion	Boiler# 2		4.72	9.35	12.57	15.57
11/28/12 13:36	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.34	12.66	15.51
11/28/12 13:37	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.34	12.67	15.40
11/28/12 13:38	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.35	12.51	15.32
11/28/12 13:39	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.35	12.40	15.24
11/28/12 13:40	7249	Burner Combustion	Boiler# 2	Run 2	4.76	9.38	12.41	15.19

11/28/12 13:41	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.31	12.37	15.15
11/28/12 13:42	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.35	12.45	15.19
11/28/12 13:43	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.30	12.41	15.25
11/28/12 13:44	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.32	12.41	15.33
11/28/12 13:45	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.32	12.40	15.22
11/28/12 13:46	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.31	12.32	15.10
11/28/12 13:47	7249	Burner Combustion	Boiler# 2	Run 2	4.77	9.29	12.28	15.04
11/28/12 13:48	7249	Burner Combustion	Boiler# 2	Run 2	4.76	9.35	12.41	15.01
11/28/12 13:49	7249	Burner Combustion	Boiler# 2	Run 2	4.76	9.35	12.41	15.02
11/28/12 13:50	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.35	12.40	15.05
11/28/12 13:51	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.29	12.40	15.15
11/28/12 13:52	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.35	12.40	15.15
11/28/12 13:53	7249	Burner Combustion	Boiler# 2	Run 2	4.77	9.30	12.35	15.10
11/28/12 13:54	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.34	12.38	15.08
11/28/12 13:55	7249	Burner Combustion	Boiler# 2	Run 2	4.71	9.36	12.57	15.09
11/28/12 13:56	7249	Burner Combustion	Boiler# 2	Run 2	4.73	9.36	12.39	15.15
11/28/12 13:57	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.37	12.60	15.17
11/28/12 13:58	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.36	12.48	15.24
11/28/12 13:59	7249	Burner Combustion	Boiler# 2	Run 2	4.73	9.36	12.59	15.23
11/28/12 14:00	7249	Burner Combustion	Boiler# 2	Run 2	4.75	9.36	12.46	15.16
11/28/12 14:01	7249	Burner Combustion	Boiler# 2	Run 2	4.74	9.31	12.39	15.08
11/28/12 14:02	7249	Burner Combustion	Boiler# 2	Run 2	4.76	9.33	12.38	15.11
11/28/12 14:03	7249	Burner Combustion	Boiler# 2	Run 2	4.77	9.32	12.38	15.13
11/28/12 14:04	7249	Burner Combustion	Boiler# 2	Run 2	4.74	9.33	12.56	15.17
11/28/12 14:05	7249	Burner Combustion	Boiler# 2	Run 2	4.73	9.36	12.42	15.17
11/28/12 14:06	7249	Burner Combustion	Boiler# 2	Run 2	4.71	9.38	12.57	15.23
11/28/12 14:07	7249	Burner Combustion	Boiler# 2	Run 2	4.78	9.28	12.38	15.21
11/28/12 14:08	7249	Burner Combustion	Boiler# 2	Run 2	4.76	9.31	12.38	15.20
11/28/12 14:09	7249	Burner Combustion	Boiler# 2	Run 2	4.79	9.31	12.37	15.13
11/28/12 14:10	7249	Burner Combustion	Boiler# 2	Run 2	4.77	9.33	12.38	15.05
11/28/12 14:11	7249	Burner Combustion	Boiler# 2	Run 2	4.74	9.33	12.48	15.07
11/28/12 14:12	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.33	12.66	15.22
11/28/12 14:13	7249	Burner Combustion	Boiler# 2	Run 2	4.70	9.35	12.66	15.32
11/28/12 14:14	7249	Burner Combustion	Boiler# 2	Run 2	4.69	9.33	12.74	15.42
11/28/12 14:15	7249	Burner Combustion	Boiler# 2	Run 2	4.66	9.39	12.96	15.59
11/28/12 14:16	7249	Burner Combustion	Boiler# 2	Run 2	4.64	9.42	12.93	15.70
11/28/12 14:17	7249	Burner Combustion	Boiler# 2	Run 2	4.63	9.36	13.03	15.87
11/28/12 14:18	7249	Burner Combustion	Boiler# 2	Run 2	4.60	9.45	13.21	15.97
11/28/12 14:19	7249	Burner Combustion	Boiler# 2	Run 2	4.57	9.49	13.38	16.14
11/28/12 14:20	7249	Burner Combustion	Boiler# 2	Run 2	4.57	9.44	13.39	16.33
11/28/12 14:21	7249	Burner Combustion	Boiler# 2	Run 2	4.60	9.42	13.23	16.42
11/28/12 14:22	7249	Burner Combustion	Boiler# 2	Run 2	4.52	9.48	13.63	16.46
11/28/12 14:23	7249	Burner Combustion	Boiler# 2	Run 2	4.46	9.48	13.92	16.59
11/28/12 14:24	7249	Burner Combustion	Boiler# 2	Run 2	4.53	9.51	13.59	16.76
11/28/12 14:25	7249	Burner Combustion	Boiler# 2	Run 2	4.55	9.48	13.47	16.76
11/28/12 14:26	7249	Burner Combustion	Boiler# 2	Run 2	4.61	9.45	13.15	16.52
11/28/12 14:27	7249	Burner Combustion	Boiler# 2	Run 2	4.71	9.37	12.67	15.97
11/28/12 14:28	7249	Burner Combustion	Boiler# 2	Run 2	4.70	9.38	12.61	15.56
11/28/12 14:29	7249	Burner Combustion	Boiler# 2	Run 2	4.72	9.35	12.61	15.44
11/28/12 14:30	7249	Burner Combustion	Boiler# 2	Run 2	4.70	9.36	12.73	15.54
11/28/12 14:31	7249	Burner Combustion	Boiler# 2	Run 2	4.56	9.47	13.36	15.95
11/28/12 14:32	7249	Burner Combustion	Boiler# 2	Run 2	4.45	9.56	13.89	16.52
11/28/12 14:33	7249	Burner Combustion	Boiler# 2	Run 2	4.42	9.54	14.01	17.05
11/28/12 14:34	7249	Burner Combustion	Boiler# 2	Run 2	4.42	9.56	14.01	17.34
11/28/12 14:35	7249	Burner Combustion	Boiler# 2	Run 2	4.46	9.53	14.01	17.38
End Run 2								
			Run Averages		***4.69***	***9.38***	***12.76***	***15.56***
11/28/12 14:36	7249	Burner Combustion	Boiler# 2		4.47	9.56	13.79	17.28
11/28/12 14:37	7249	Burner Combustion	Boiler# 2		7.00	8.19	14.61	16.01
11/28/12 14:38	7249	Burner Combustion	Boiler# 2		9.99	5.07	3.49	2.19
11/28/12 14:39	7249	Burner Combustion	Boiler# 2	Cal TTP	10.02	5.05	0.43	0.49
11/28/12 14:40	7249	Burner Combustion	Boiler# 2		8.69	4.87	0.96	0.98
11/28/12 14:41	7249	Burner Combustion	Boiler# 2		0.11	0.54	17.87	17.63
11/28/12 14:42	7249	Burner Combustion	Boiler# 2		0.01	0.02	25.17	23.88
11/28/12 14:43	7249	Burner Combustion	Boiler# 2	Cal TTP	0.42	0.11	25.00	24.60
11/28/12 14:44	7249	Burner Combustion	Boiler# 2		4.44	7.85	17.64	19.59
11/28/12 14:45	7249	Burner Combustion	Boiler# 2		4.53	9.47	13.55	16.50
11/28/12 14:46	7249	Burner Combustion	Boiler# 2	Run 3	4.54	9.47	13.48	16.63
11/28/12 14:47	7249	Burner Combustion	Boiler# 2	Run 3	4.52	9.48	13.48	16.78
11/28/12 14:48	7249	Burner Combustion	Boiler# 2	Run 3	4.51	9.53	13.71	16.80
11/28/12 14:49	7249	Burner Combustion	Boiler# 2	Run 3	4.50	9.51	13.60	16.81
11/28/12 14:50	7249	Burner Combustion	Boiler# 2	Run 3	4.53	9.47	13.48	16.78
11/28/12 14:51	7249	Burner Combustion	Boiler# 2	Run 3	4.51	9.51	13.73	16.77

11/28/12 14:52	7249	Burner Combustion	Boiler# 2	Run 3	4.50	9.50	13.74	16.78
11/28/12 14:53	7249	Burner Combustion	Boiler# 2	Run 3	4.52	9.50	13.62	16.82
11/28/12 14:54	7249	Burner Combustion	Boiler# 2	Run 3	4.52	9.52	13.48	16.79
11/28/12 14:55	7249	Burner Combustion	Boiler# 2	Run 3	4.51	9.47	13.48	16.68
11/28/12 14:56	7249	Burner Combustion	Boiler# 2	Run 3	4.51	9.51	13.47	16.59
11/28/12 14:57	7249	Burner Combustion	Boiler# 2	Run 3	4.55	9.47	13.48	16.50
11/28/12 14:58	7249	Burner Combustion	Boiler# 2	Run 3	4.55	9.45	13.48	16.44
11/28/12 14:59	7249	Burner Combustion	Boiler# 2	Run 3	4.54	9.46	13.48	16.45
11/28/12 15:00	7249	Burner Combustion	Boiler# 2	Run 3	4.54	9.50	13.48	16.41
11/28/12 15:01	7249	Burner Combustion	Boiler# 2	Run 3	4.55	9.45	13.30	16.43
11/28/12 15:02	7249	Burner Combustion	Boiler# 2	Run 3	4.55	9.46	13.38	16.47
11/28/12 15:03	7249	Burner Combustion	Boiler# 2	Run 3	4.56	9.43	13.21	16.42
11/28/12 15:04	7249	Burner Combustion	Boiler# 2	Run 3	4.57	9.44	13.21	16.35
11/28/12 15:05	7249	Burner Combustion	Boiler# 2	Run 3	4.59	9.42	13.13	16.30
11/28/12 15:06	7249	Burner Combustion	Boiler# 2	Run 3	4.65	9.40	12.94	16.27
11/28/12 15:07	7249	Burner Combustion	Boiler# 2	Run 3	4.61	9.44	13.09	16.15
11/28/12 15:08	7249	Burner Combustion	Boiler# 2	Run 3	4.61	9.40	13.05	16.03
11/28/12 15:09	7249	Burner Combustion	Boiler# 2	Run 3	4.64	9.39	12.93	15.96
11/28/12 15:10	7249	Burner Combustion	Boiler# 2	Run 3	4.61	9.38	12.92	15.96
11/28/12 15:11	7249	Burner Combustion	Boiler# 2	Run 3	4.63	9.38	12.93	16.00
11/28/12 15:12	7249	Burner Combustion	Boiler# 2	Run 3	4.63	9.40	12.93	15.93
11/28/12 15:13	7249	Burner Combustion	Boiler# 2	Run 3	4.64	9.37	12.94	15.89
11/28/12 15:14	7249	Burner Combustion	Boiler# 2	Run 3	4.65	9.38	12.74	15.80
11/28/12 15:15	7249	Burner Combustion	Boiler# 2	Run 3	4.65	9.40	12.87	15.73
11/28/12 15:16	7249	Burner Combustion	Boiler# 2	Run 3	4.63	9.40	12.95	15.79
11/28/12 15:17	7249	Burner Combustion	Boiler# 2	Run 3	4.57	9.43	13.27	16.07
11/28/12 15:18	7249	Burner Combustion	Boiler# 2	Run 3	4.50	9.49	13.58	16.41
11/28/12 15:19	7249	Burner Combustion	Boiler# 2	Run 3	4.48	9.49	13.74	16.77
11/28/12 15:20	7249	Burner Combustion	Boiler# 2	Run 3	4.50	9.49	13.74	16.95
11/28/12 15:21	7249	Burner Combustion	Boiler# 2	Run 3	4.48	9.51	13.73	17.04
11/28/12 15:22	7249	Burner Combustion	Boiler# 2	Run 3	4.45	9.48	13.88	17.13
11/28/12 15:23	7249	Burner Combustion	Boiler# 2	Run 3	4.42	9.55	13.95	17.22
11/28/12 15:24	7249	Burner Combustion	Boiler# 2	Run 3	4.42	9.58	13.96	17.32
11/28/12 15:25	7249	Burner Combustion	Boiler# 2	Run 3	4.44	9.52	13.89	17.27
11/28/12 15:26	7249	Burner Combustion	Boiler# 2	Run 3	4.49	9.50	13.74	17.13
11/28/12 15:27	7249	Burner Combustion	Boiler# 2	Run 3	4.52	9.49	13.60	17.00
11/28/12 15:28	7249	Burner Combustion	Boiler# 2	Run 3	4.54	9.43	13.45	16.77
11/28/12 15:29	7249	Burner Combustion	Boiler# 2	Run 3	4.59	9.44	13.12	16.55
11/28/12 15:30	7249	Burner Combustion	Boiler# 2	Run 3	4.58	9.44	13.32	16.33
11/28/12 15:31	7249	Burner Combustion	Boiler# 2	Run 3	4.56	9.39	13.30	16.29
11/28/12 15:32	7249	Burner Combustion	Boiler# 2	Run 3	4.58	9.43	13.21	16.26
11/28/12 15:33	7249	Burner Combustion	Boiler# 2	Run 3	4.60	9.40	13.21	16.11
11/28/12 15:34	7249	Burner Combustion	Boiler# 2	Run 3	4.61	9.40	13.21	16.03
11/28/12 15:35	7249	Burner Combustion	Boiler# 2	Run 3	4.64	9.38	12.95	15.95
11/28/12 15:36	7249	Burner Combustion	Boiler# 2	Run 3	4.67	9.38	12.90	15.81
11/28/12 15:37	7249	Burner Combustion	Boiler# 2	Run 3	4.69	9.35	12.68	15.65
11/28/12 15:38	7249	Burner Combustion	Boiler# 2	Run 3	4.67	9.37	12.89	15.58
11/28/12 15:39	7249	Burner Combustion	Boiler# 2	Run 3	4.69	9.35	12.72	15.55
11/28/12 15:40	7249	Burner Combustion	Boiler# 2	Run 3	4.70	9.34	12.68	15.43
11/28/12 15:41	7249	Burner Combustion	Boiler# 2	Run 3	4.66	9.37	12.70	15.41
11/28/12 15:42	7249	Burner Combustion	Boiler# 2	Run 3	4.68	9.36	12.67	15.43
11/28/12 15:43	7249	Burner Combustion	Boiler# 2	Run 3	4.70	9.33	12.66	15.36
11/28/12 15:44	7249	Burner Combustion	Boiler# 2	Run 3	4.70	9.31	12.59	15.27
11/28/12 15:45	7249	Burner Combustion	Boiler# 2	Run 3	4.70	9.35	12.58	15.23
End Run 3								
			Run Averages		***4.57***	***9.44***	***13.26***	***16.31***
11/28/12 15:46	7249	Burner Combustion	Boiler# 2		4.70	9.35	12.63	15.21
11/28/12 15:47	7249	Burner Combustion	Boiler# 2		5.03	9.18	12.52	15.17
11/28/12 15:48	7249	Burner Combustion	Boiler# 2		9.85	5.48	6.42	8.09
11/28/12 15:49	7249	Burner Combustion	Boiler# 2	Cal TTP	10.00	5.03	0.54	0.52
11/28/12 15:50	7249	Burner Combustion	Boiler# 2		10.01	5.03	0.43	0.49
11/28/12 15:51	7249	Burner Combustion	Boiler# 2		6.35	4.00	3.01	1.69
11/28/12 15:52	7249	Burner Combustion	Boiler# 2		0.04	0.08	22.14	22.80
11/28/12 15:53	7249	Burner Combustion	Boiler# 2	Cal TTP	-0.01	0.02	25.26	24.69
11/28/12 15:54	7249	Burner Combustion	Boiler# 2		0.03	0.02	25.10	23.58
11/28/12 15:55	7249	Burner Combustion	Boiler# 2		17.69	0.02	13.74	15.32
11/28/12 15:56	7249	Burner Combustion	Boiler# 2		17.45	0.52	8.21	0.39
11/28/12 15:57	7249	Burner Combustion	Boiler# 2		3.54	9.34	17.94	21.02
11/28/12 15:58	7249	Burner Combustion	Boiler# 2		3.35	10.12	9.16	34.78
11/28/12 15:59	7249	Burner Combustion	Boiler# 2		5.66	10.17	44.69	38.33
11/28/12 16:00	7249	Burner Combustion	Boiler# 2		15.58	2.57	595.40	19.40

Date	Job#	Client	Unit	Run ID	O2 %	CO2 %	CO ppm	Nox ppm
11/29/2012 9:13	7249	Burner Combustion	Unit 1		20.78	1.53	1.83	7.03
11/29/2012 9:14	7249	Burner Combustion	Unit 1		20.78	9.90	-0.73	0.97
11/29/2012 9:15	7249	Burner Combustion	Unit 1		20.87	10.69	-1.40	-0.32
11/29/2012 9:16	7249	Burner Combustion	Unit 1	Direct Cal	20.82	10.73	0.36	-0.33
11/29/2012 9:17	7249	Burner Combustion	Unit 1		20.74	10.66	0.41	-0.35
11/29/2012 9:18	7249	Burner Combustion	Unit 1		11.73	6.85	0.80	-0.35
11/29/2012 9:19	7249	Burner Combustion	Unit 1	Direct Cal	10.17	5.07	0.88	-0.35
11/29/2012 9:20	7249	Burner Combustion	Unit 1		6.80	3.73	14.64	0.14
11/29/2012 9:21	7249	Burner Combustion	Unit 1		0.04	0.03	48.39	41.32
11/29/2012 9:22	7249	Burner Combustion	Unit 1		0.02	0.01	52.11	50.50
11/29/2012 9:23	7249	Burner Combustion	Unit 1	Direct Cal	0.03	0.01	50.62	50.85
11/29/2012 9:24	7249	Burner Combustion	Unit 1	Direct Cal	0.04	0.01	25.47	25.14
11/29/2012 9:25	7249	Burner Combustion	Unit 1		0.01	0.01	25.29	24.10
11/29/2012 9:26	7249	Burner Combustion	Unit 1		10.77	0.01	21.11	27.07
11/29/2012 9:27	7249	Burner Combustion	Unit 1		20.78	0.01	2.56	52.08
11/29/2012 9:28	7249	Burner Combustion	Unit 1	Nox CET	20.80	0.01	0.63	57.69
11/29/2012 9:29	7249	Burner Combustion	Unit 1		17.76	1.03	23.34	51.64
11/29/2012 9:30	7249	Burner Combustion	Unit 1		20.39	0.56	9.64	9.59
11/29/2012 9:31	7249	Burner Combustion	Unit 1		20.19	0.02	3.78	0.36
11/29/2012 9:32	7249	Burner Combustion	Unit 1		10.62	3.78	4.27	2.53
11/29/2012 9:33	7249	Burner Combustion	Unit 1		10.10	5.00	3.36	0.15
11/29/2012 9:34	7249	Burner Combustion	Unit 1	Cal TTP	10.08	5.01	0.56	0.06
11/29/2012 9:35	7249	Burner Combustion	Unit 1		3.84	2.89	7.25	6.39
11/29/2012 9:36	7249	Burner Combustion	Unit 1		0.12	0.02	25.15	24.28
11/29/2012 9:37	7249	Burner Combustion	Unit 1	Cal TTP	0.08	0.02	25.30	24.53
11/29/2012 9:38	7249	Burner Combustion	Unit 1		0.28	0.07	24.97	23.98
11/29/2012 9:39	7249	Burner Combustion	Unit 1		10.69	5.47	26.49	19.91
11/29/2012 9:40	7249	Burner Combustion	Unit 1		17.71	1.72	93.89	7.49
11/29/2012 9:41	7249	Burner Combustion	Unit 1		17.41	1.65	470.18	18.41
11/29/2012 9:42	7249	Burner Combustion	Unit 1		16.71	1.53	402.05	10.95
11/29/2012 9:43	7249	Burner Combustion	Unit 1		16.55	2.06	542.02	10.46
11/29/2012 9:44	7249	Burner Combustion	Unit 1		19.93	1.02	138.81	12.76
11/29/2012 9:45	7249	Burner Combustion	Unit 1		20.36	0.10	15.86	1.37
11/29/2012 9:46	7249	Burner Combustion	Unit 1		20.55	0.02	0.96	0.05
11/29/2012 9:47	7249	Burner Combustion	Unit 1		20.56	0.01	0.64	-0.02
11/29/2012 9:48	7249	Burner Combustion	Unit 1		20.55	0.02	0.65	-0.06
11/29/2012 9:49	7249	Burner Combustion	Unit 1		20.55	0.01	0.53	-0.06
11/29/2012 9:50	7249	Burner Combustion	Unit 1		20.55	0.02	0.64	-0.06
11/29/2012 9:51	7249	Burner Combustion	Unit 1		20.55	0.02	0.42	-0.06
11/29/2012 9:52	7249	Burner Combustion	Unit 1		9.73	4.56	146.26	7.90
11/29/2012 9:53	7249	Burner Combustion	Unit 1		16.02	4.19	6.98	9.11
11/29/2012 9:54	7249	Burner Combustion	Unit 1		18.61	0.23	80.57	0.33
11/29/2012 9:55	7249	Burner Combustion	Unit 1		4.95	8.13	96.02	17.00
11/29/2012 9:56	7249	Burner Combustion	Unit 1		5.35	9.25	30.09	14.27
11/29/2012 9:57	7249	Burner Combustion	Unit 1		19.84	1.85	38.37	8.45
11/29/2012 9:58	7249	Burner Combustion	Unit 1		15.64	2.73	152.84	13.53
11/29/2012 9:59	7249	Burner Combustion	Unit 1		13.29	3.88	84.31	19.37
11/29/2012 10:00	7249	Burner Combustion	Unit 1		20.46	0.30	5.02	0.93
11/29/2012 10:01	7249	Burner Combustion	Unit 1		16.70	1.77	123.89	3.89
11/29/2012 10:02	7249	Burner Combustion	Unit 1		17.87	1.51	46.85	6.84
11/29/2012 10:03	7249	Burner Combustion	Unit 1		12.73	2.99	50.66	10.85
11/29/2012 10:04	7249	Burner Combustion	Unit 1		5.26	9.09	14.68	13.41
11/29/2012 10:05	7249	Burner Combustion	Unit 1		3.89	9.99	15.71	21.23
11/29/2012 10:06	7249	Burner Combustion	Unit 1		3.73	9.93	15.85	21.96
11/29/2012 10:07	7249	Burner Combustion	Unit 1		3.72	9.96	15.93	21.91
11/29/2012 10:08	7249	Burner Combustion	Unit 1		4.19	9.50	13.74	18.66
11/29/2012 10:09	7249	Burner Combustion	Unit 1		5.23	8.95	9.13	11.30
11/29/2012 10:10	7249	Burner Combustion	Unit 1		5.48	8.85	8.39	10.43
11/29/2012 10:11	7249	Burner Combustion	Unit 1		5.60	8.85	8.82	10.33
11/29/2012 10:12	7249	Burner Combustion	Unit 1		4.20	9.92	16.11	18.57
11/29/2012 10:13	7249	Burner Combustion	Unit 1		2.73	10.69	36.49	31.03
11/29/2012 10:14	7249	Burner Combustion	Unit 1		2.45	10.70	40.72	34.49

11/29/2012 10:15	7249	Burner Combustion	Unit 1		2.77	10.47	32.84	33.29
11/29/2012 10:16	7249	Burner Combustion	Unit 1		3.01	10.34	28.35	30.65
11/29/2012 10:17	7249	Burner Combustion	Unit 1		3.38	10.10	22.25	27.60
11/29/2012 10:18	7249	Burner Combustion	Unit 1		3.45	10.12	21.28	25.51
11/29/2012 10:19	7249	Burner Combustion	Unit 1		3.78	9.80	17.88	23.48
11/29/2012 10:20	7249	Burner Combustion	Unit 1		3.93	9.82	16.41	21.93
11/29/2012 10:21	7249	Burner Combustion	Unit 1		3.95	9.81	16.30	20.41
11/29/2012 10:22	7249	Burner Combustion	Unit 1		4.25	9.53	13.97	17.75
11/29/2012 10:23	7249	Burner Combustion	Unit 1	Point 1	4.38	9.51	13.06	16.87
11/29/2012 10:24	7249	Burner Combustion	Unit 1	Point 1	4.41	9.51	12.83	17.00
11/29/2012 10:25	7249	Burner Combustion	Unit 1	Point 2	4.41	9.53	12.89	16.86
11/29/2012 10:26	7249	Burner Combustion	Unit 1	Point 2	4.42	9.50	12.83	16.83
11/29/2012 10:27	7249	Burner Combustion	Unit 1	Point 3	4.39	9.53	12.88	16.81
11/29/2012 10:28	7249	Burner Combustion	Unit 1	Point 3	4.38	9.52	12.89	16.83
11/29/2012 10:29	7249	Burner Combustion	Unit 1	Run 1	4.40	9.49	12.90	16.90
11/29/2012 10:30	7249	Burner Combustion	Unit 1	Run 1	4.42	9.46	12.86	16.87
11/29/2012 10:31	7249	Burner Combustion	Unit 1	Run 1	4.40	9.52	12.75	16.77
11/29/2012 10:32	7249	Burner Combustion	Unit 1	Run 1	4.38	9.51	12.90	16.79
11/29/2012 10:33	7249	Burner Combustion	Unit 1	Run 1	4.40	9.53	12.83	16.74
11/29/2012 10:34	7249	Burner Combustion	Unit 1	Run 1	4.37	9.50	12.96	16.72
11/29/2012 10:35	7249	Burner Combustion	Unit 1	Run 1	4.37	9.54	12.91	16.79
11/29/2012 10:36	7249	Burner Combustion	Unit 1	Run 1	4.36	9.54	12.91	16.87
11/29/2012 10:37	7249	Burner Combustion	Unit 1	Run 1	4.36	9.52	13.03	16.86
11/29/2012 10:38	7249	Burner Combustion	Unit 1	Run 1	4.36	9.49	13.16	16.90
11/29/2012 10:39	7249	Burner Combustion	Unit 1	Run 1	4.35	9.55	13.15	16.95
11/29/2012 10:40	7249	Burner Combustion	Unit 1	Run 1	4.34	9.52	13.17	17.03
11/29/2012 10:41	7249	Burner Combustion	Unit 1	Run 1	4.35	9.52	13.18	17.12
11/29/2012 10:42	7249	Burner Combustion	Unit 1	Run 1	4.36	9.49	13.06	17.16
11/29/2012 10:43	7249	Burner Combustion	Unit 1	Run 1	4.39	9.49	12.92	17.07
11/29/2012 10:44	7249	Burner Combustion	Unit 1	Run 1	4.38	9.53	12.95	16.97
11/29/2012 10:45	7249	Burner Combustion	Unit 1	Run 1	4.35	9.56	13.06	16.99
11/29/2012 10:46	7249	Burner Combustion	Unit 1	Run 1	4.38	9.51	12.92	17.02
11/29/2012 10:47	7249	Burner Combustion	Unit 1	Run 1	4.37	9.52	12.98	16.95
11/29/2012 10:48	7249	Burner Combustion	Unit 1	Run 1	4.33	9.56	13.19	17.00
11/29/2012 10:49	7249	Burner Combustion	Unit 1	Run 1	4.33	9.51	13.10	17.04
11/29/2012 10:50	7249	Burner Combustion	Unit 1	Run 1	4.31	9.55	13.21	17.16
11/29/2012 10:51	7249	Burner Combustion	Unit 1	Run 1	4.32	9.58	13.19	17.25
11/29/2012 10:52	7249	Burner Combustion	Unit 1	Run 1	4.31	9.52	13.25	17.35
11/29/2012 10:53	7249	Burner Combustion	Unit 1	Run 1	4.34	9.57	13.18	17.32
11/29/2012 10:54	7249	Burner Combustion	Unit 1	Run 1	4.32	9.61	13.17	17.26
11/29/2012 10:55	7249	Burner Combustion	Unit 1	Run 1	4.29	9.62	13.39	17.26
11/29/2012 10:56	7249	Burner Combustion	Unit 1	Run 1	4.32	9.51	13.28	17.32
11/29/2012 10:57	7249	Burner Combustion	Unit 1	Run 1	4.35	9.50	13.04	17.28
11/29/2012 10:58	7249	Burner Combustion	Unit 1	Run 1	4.35	9.53	13.01	17.17
11/29/2012 10:59	7249	Burner Combustion	Unit 1	Run 1	4.32	9.50	13.19	17.15
11/29/2012 11:00	7249	Burner Combustion	Unit 1	Run 1	4.30	9.56	13.19	17.24
11/29/2012 11:01	7249	Burner Combustion	Unit 1	Run 1	4.31	9.55	13.19	17.22
11/29/2012 11:02	7249	Burner Combustion	Unit 1	Run 1	4.32	9.54	13.14	17.18
11/29/2012 11:03	7249	Burner Combustion	Unit 1	Run 1	4.30	9.58	13.23	17.16
11/29/2012 11:04	7249	Burner Combustion	Unit 1	Run 1	4.27	9.55	13.46	17.22
11/29/2012 11:05	7249	Burner Combustion	Unit 1	Run 1	4.27	9.57	13.42	17.33
11/29/2012 11:06	7249	Burner Combustion	Unit 1	Run 1	4.31	9.54	13.19	17.30
11/29/2012 11:07	7249	Burner Combustion	Unit 1	Run 1	4.30	9.55	13.24	17.27
11/29/2012 11:08	7249	Burner Combustion	Unit 1	Run 1	4.29	9.58	13.21	17.34
11/29/2012 11:09	7249	Burner Combustion	Unit 1	Run 1	4.29	9.57	13.20	17.40
11/29/2012 11:10	7249	Burner Combustion	Unit 1	Run 1	4.29	9.57	13.19	17.37
11/29/2012 11:11	7249	Burner Combustion	Unit 1	Run 1	4.30	9.56	13.20	17.36
11/29/2012 11:12	7249	Burner Combustion	Unit 1	Run 1	4.28	9.59	13.34	17.33
11/29/2012 11:13	7249	Burner Combustion	Unit 1	Run 1	4.26	9.54	13.47	17.36
11/29/2012 11:14	7249	Burner Combustion	Unit 1	Run 1	4.29	9.54	13.26	17.44
11/29/2012 11:15	7249	Burner Combustion	Unit 1	Run 1	4.29	9.55	13.19	17.48
11/29/2012 11:16	7249	Burner Combustion	Unit 1	Run 1	4.29	9.55	13.20	17.37
11/29/2012 11:17	7249	Burner Combustion	Unit 1	Run 1	4.31	9.57	13.19	17.31

11/29/2012 11:18	7249	Burner Combustion	Unit 1	Run 1	4.30	9.58	13.20	17.31
11/29/2012 11:19	7249	Burner Combustion	Unit 1	Run 1	4.32	9.55	13.20	17.36
11/29/2012 11:20	7249	Burner Combustion	Unit 1	Run 1	4.32	9.55	13.19	17.36
11/29/2012 11:21	7249	Burner Combustion	Unit 1	Run 1	4.29	9.56	13.19	17.32
11/29/2012 11:22	7249	Burner Combustion	Unit 1	Run 1	4.28	9.55	13.35	17.33
11/29/2012 11:23	7249	Burner Combustion	Unit 1	Run 1	4.27	9.58	13.44	17.49
End Run 1								
			Run Averages		***4.33***	***9.54***	***13.12***	***17.14***
11/29/2012 11:24	7249	Burner Combustion	Unit 1		4.32	9.52	13.53	17.64
11/29/2012 11:25	7249	Burner Combustion	Unit 1		9.47	5.92	9.00	9.53
11/29/2012 11:26	7249	Burner Combustion	Unit 1		9.98	5.06	-0.47	0.82
11/29/2012 11:27	7249	Burner Combustion	Unit 1		9.99	5.04	-0.66	0.70
11/29/2012 11:28	7249	Burner Combustion	Unit 1		8.56	4.88	-0.11	0.58
11/29/2012 11:29	7249	Burner Combustion	Unit 1		0.14	0.57	17.04	17.43
11/29/2012 11:30	7249	Burner Combustion	Unit 1		0.03	0.02	24.25	24.91
11/29/2012 11:31	7249	Burner Combustion	Unit 1		0.02	0.02	24.07	23.88
11/29/2012 11:32	7249	Burner Combustion	Unit 1		1.69	1.77	23.01	23.45
11/29/2012 11:33	7249	Burner Combustion	Unit 1		4.20	9.29	14.67	17.59
11/29/2012 11:34	7249	Burner Combustion	Unit 1		4.28	9.54	13.19	17.03
11/29/2012 11:35	7249	Burner Combustion	Unit 1		4.27	9.56	13.19	17.06
11/29/2012 11:36	7249	Burner Combustion	Unit 1		4.28	9.59	13.19	17.16
11/29/2012 11:37	7249	Burner Combustion	Unit 1		4.26	9.60	13.44	17.30
11/29/2012 11:38	7249	Burner Combustion	Unit 1		4.27	9.55	13.45	17.40
11/29/2012 11:39	7249	Burner Combustion	Unit 1		4.28	9.62	13.39	17.34
11/29/2012 11:40	7249	Burner Combustion	Unit 1		4.27	9.58	13.42	17.27
11/29/2012 11:41	7249	Burner Combustion	Unit 1		4.27	9.60	13.38	17.24
11/29/2012 11:42	7249	Burner Combustion	Unit 1		4.28	9.58	13.26	17.21
11/29/2012 11:43	7249	Burner Combustion	Unit 1		4.26	9.57	13.38	17.18
11/29/2012 11:44	7249	Burner Combustion	Unit 1		4.26	9.60	13.47	17.21
11/29/2012 11:45	7249	Burner Combustion	Unit 1		4.27	9.56	13.21	17.26
11/29/2012 11:46	7249	Burner Combustion	Unit 1		9.83	7.98	12.80	16.75
11/29/2012 11:47	7249	Burner Combustion	Unit 1		19.42	0.37	201.46	3.25
11/29/2012 11:48	7249	Burner Combustion	Unit 1		4.66	7.64	545.75	19.06
11/29/2012 11:49	7249	Burner Combustion	Unit 1		10.88	7.46	17.25	16.74
11/29/2012 11:50	7249	Burner Combustion	Unit 1		19.21	0.27	199.95	3.43
11/29/2012 11:51	7249	Burner Combustion	Unit 1		4.63	7.80	497.41	18.46
11/29/2012 11:52	7249	Burner Combustion	Unit 1		4.36	9.52	20.82	16.89
11/29/2012 11:53	7249	Burner Combustion	Unit 1		4.30	9.51	14.50	17.21
11/29/2012 11:54	7249	Burner Combustion	Unit 1		4.30	9.54	17.03	17.04
11/29/2012 11:55	7249	Burner Combustion	Unit 1		4.32	9.53	14.40	16.87
11/29/2012 11:56	7249	Burner Combustion	Unit 1	Run 2	4.30	9.59	13.30	16.85
11/29/2012 11:57	7249	Burner Combustion	Unit 1	Run 2	4.32	9.54	13.20	16.87
11/29/2012 11:58	7249	Burner Combustion	Unit 1	Run 2	4.29	9.61	13.21	16.97
11/29/2012 11:59	7249	Burner Combustion	Unit 1	Run 2	4.32	9.56	13.08	17.01
11/29/2012 12:00	7249	Burner Combustion	Unit 1	Run 2	4.29	9.54	13.20	16.97
11/29/2012 12:01	7249	Burner Combustion	Unit 1	Run 2	4.28	9.53	13.20	16.97
11/29/2012 12:02	7249	Burner Combustion	Unit 1	Run 2	4.28	9.59	13.30	16.98
11/29/2012 12:03	7249	Burner Combustion	Unit 1	Run 2	4.27	9.56	13.45	17.03
11/29/2012 12:04	7249	Burner Combustion	Unit 1	Run 2	4.30	9.54	13.26	17.07
11/29/2012 12:05	7249	Burner Combustion	Unit 1	Run 2	4.32	9.53	13.19	17.05
11/29/2012 12:06	7249	Burner Combustion	Unit 1	Run 2	4.30	9.53	13.20	17.06
11/29/2012 12:07	7249	Burner Combustion	Unit 1	Run 2	4.30	9.52	13.19	17.11
11/29/2012 12:08	7249	Burner Combustion	Unit 1	Run 2	4.30	9.56	13.20	17.12
11/29/2012 12:09	7249	Burner Combustion	Unit 1	Run 2	4.29	9.54	13.20	17.11
11/29/2012 12:10	7249	Burner Combustion	Unit 1	Run 2	4.27	9.57	13.19	17.13
11/29/2012 12:11	7249	Burner Combustion	Unit 1	Run 2	4.29	9.56	13.19	17.13
11/29/2012 12:12	7249	Burner Combustion	Unit 1	Run 2	4.27	9.48	12.97	16.68
11/29/2012 12:13	7249	Burner Combustion	Unit 1	Run 2	4.29	9.54	12.66	16.61
11/29/2012 12:14	7249	Burner Combustion	Unit 1	Run 2	4.30	9.53	12.66	16.56
11/29/2012 12:15	7249	Burner Combustion	Unit 1	Run 2	4.29	9.53	12.82	16.60
11/29/2012 12:16	7249	Burner Combustion	Unit 1	Run 2	4.31	9.54	12.66	16.60
11/29/2012 12:17	7249	Burner Combustion	Unit 1	Run 2	4.30	9.57	12.66	16.61
11/29/2012 12:18	7249	Burner Combustion	Unit 1	Run 2	4.31	9.54	12.66	16.57

11/29/2012 12:19	7249	Burner Combustion	Unit 1	Run 2	4.29	9.58	12.70	16.51
11/29/2012 12:20	7249	Burner Combustion	Unit 1	Run 2	4.30	9.53	12.65	16.50
11/29/2012 12:21	7249	Burner Combustion	Unit 1	Run 2	4.29	9.57	12.76	16.61
11/29/2012 12:22	7249	Burner Combustion	Unit 1	Run 2	4.30	9.61	12.78	16.66
11/29/2012 12:23	7249	Burner Combustion	Unit 1	Run 2	4.30	9.58	12.65	16.69
11/29/2012 12:24	7249	Burner Combustion	Unit 1	Run 2	4.31	9.55	12.66	16.71
11/29/2012 12:25	7249	Burner Combustion	Unit 1	Run 2	4.30	9.52	12.66	16.69
11/29/2012 12:26	7249	Burner Combustion	Unit 1	Run 2	4.67	8.03	16.45	14.04
11/29/2012 12:27	7249	Burner Combustion	Unit 1	Run 2	4.40	9.47	13.00	15.98
11/29/2012 12:28	7249	Burner Combustion	Unit 1	Run 2	4.35	9.50	13.80	16.09
11/29/2012 12:29	7249	Burner Combustion	Unit 1	Run 2	4.31	9.53	13.68	16.24
11/29/2012 12:30	7249	Burner Combustion	Unit 1	Run 2	4.31	9.59	13.45	16.31
11/29/2012 12:31	7249	Burner Combustion	Unit 1	Run 2	4.30	9.59	13.45	16.32
11/29/2012 12:32	7249	Burner Combustion	Unit 1	Run 2	4.29	9.56	13.40	16.37
11/29/2012 12:33	7249	Burner Combustion	Unit 1	Run 2	4.28	9.55	13.38	16.52
11/29/2012 12:34	7249	Burner Combustion	Unit 1	Run 2	4.29	9.57	13.30	16.60
11/29/2012 12:35	7249	Burner Combustion	Unit 1	Run 2	4.29	9.56	13.31	16.63
11/29/2012 12:36	7249	Burner Combustion	Unit 1	Run 2	4.28	9.57	13.43	16.72
11/29/2012 12:37	7249	Burner Combustion	Unit 1	Run 2	4.28	9.59	13.20	16.76
11/29/2012 12:38	7249	Burner Combustion	Unit 1	Run 2	4.29	9.57	13.20	16.76
11/29/2012 12:39	7249	Burner Combustion	Unit 1	Run 2	4.29	9.55	13.20	16.76
11/29/2012 12:40	7249	Burner Combustion	Unit 1	Run 2	4.29	9.55	13.20	16.74
11/29/2012 12:41	7249	Burner Combustion	Unit 1	Run 2	4.26	9.55	13.35	16.78
11/29/2012 12:42	7249	Burner Combustion	Unit 1	Run 2	4.26	9.60	13.40	16.89
11/29/2012 12:43	7249	Burner Combustion	Unit 1	Run 2	4.28	9.53	13.20	16.95
11/29/2012 12:44	7249	Burner Combustion	Unit 1	Run 2	4.29	9.53	13.21	16.96
11/29/2012 12:45	7249	Burner Combustion	Unit 1	Run 2	4.28	9.53	13.20	16.97
11/29/2012 12:46	7249	Burner Combustion	Unit 1	Run 2	4.29	9.55	13.20	16.93
11/29/2012 12:47	7249	Burner Combustion	Unit 1	Run 2	4.30	9.53	13.14	16.86
11/29/2012 12:48	7249	Burner Combustion	Unit 1	Run 2	4.33	9.50	12.98	16.79
11/29/2012 12:49	7249	Burner Combustion	Unit 1	Run 2	4.30	9.52	13.20	16.78
11/29/2012 12:50	7249	Burner Combustion	Unit 1	Run 2	4.28	9.53	13.21	16.86
11/29/2012 12:51	7249	Burner Combustion	Unit 1	Run 2	4.28	9.56	13.19	16.96
11/29/2012 12:52	7249	Burner Combustion	Unit 1	Run 2	4.28	9.53	13.08	17.07
11/29/2012 12:53	7249	Burner Combustion	Unit 1	Run 2	4.28	9.55	13.20	17.09
11/29/2012 12:54	7249	Burner Combustion	Unit 1	Run 2	4.28	9.52	13.07	17.05
11/29/2012 12:55	7249	Burner Combustion	Unit 1	Run 2	4.27	9.55	13.17	17.05
End Run 2								
			Run Averages		***4.30***	***9.52***	***13.18***	***16.73***
11/29/2012 12:56	7249	Burner Combustion	Unit 1		5.71	9.39	13.23	17.13
11/29/2012 12:57	7249	Burner Combustion	Unit 1		10.13	5.08	0.12	0.89
11/29/2012 12:58	7249	Burner Combustion	Unit 1		6.45	0.02	7.15	8.71
11/29/2012 12:59	7249	Burner Combustion	Unit 1		0.07	0.02	25.42	24.67
11/29/2012 13:00	7249	Burner Combustion	Unit 1		20.47	0.02	0.43	0.63
11/29/2012 13:01	7249	Burner Combustion	Unit 1		20.47	0.02	0.43	0.58
11/29/2012 13:02	7249	Burner Combustion	Unit 1		20.47	0.02	0.43	0.54
11/29/2012 13:03	7249	Burner Combustion	Unit 1	Run 3	20.46	0.02	0.25	0.49
11/29/2012 13:04	7249	Burner Combustion	Unit 1	Run 3	4.27	9.48	12.97	16.68
11/29/2012 13:05	7249	Burner Combustion	Unit 1	Run 3	4.29	9.54	12.66	16.61
11/29/2012 13:06	7249	Burner Combustion	Unit 1	Run 3	4.30	9.53	12.66	16.56
11/29/2012 13:07	7249	Burner Combustion	Unit 1	Run 3	4.29	9.53	12.82	16.60
11/29/2012 13:08	7249	Burner Combustion	Unit 1	Run 3	4.31	9.54	12.66	16.60
11/29/2012 13:09	7249	Burner Combustion	Unit 1	Run 3	4.30	9.57	12.66	16.61
11/29/2012 13:10	7249	Burner Combustion	Unit 1	Run 3	4.31	9.54	12.66	16.57
11/29/2012 13:11	7249	Burner Combustion	Unit 1	Run 3	4.29	9.58	12.70	16.51
11/29/2012 13:12	7249	Burner Combustion	Unit 1	Run 3	4.30	9.53	12.65	16.50
11/29/2012 13:13	7249	Burner Combustion	Unit 1	Run 3	4.29	9.57	12.76	16.61
11/29/2012 13:14	7249	Burner Combustion	Unit 1	Run 3	4.30	9.61	12.78	16.66
11/29/2012 13:15	7249	Burner Combustion	Unit 1	Run 3	4.30	9.58	12.65	16.69
11/29/2012 13:16	7249	Burner Combustion	Unit 1	Run 3	4.31	9.55	12.66	16.71
11/29/2012 13:17	7249	Burner Combustion	Unit 1	Run 3	4.30	9.52	12.66	16.69
11/29/2012 13:18	7249	Burner Combustion	Unit 1	Run 3	4.28	9.57	12.89	16.77
11/29/2012 13:19	7249	Burner Combustion	Unit 1	Run 3	4.29	9.53	12.72	16.83

11/29/2012 13:20	7249	Burner Combustion	Unit 1	Run 3	4.28	9.55	12.93	16.85
11/29/2012 13:21	7249	Burner Combustion	Unit 1	Run 3	4.28	9.56	12.73	16.83
11/29/2012 13:22	7249	Burner Combustion	Unit 1	Run 3	4.29	9.57	12.66	16.87
11/29/2012 13:23	7249	Burner Combustion	Unit 1	Run 3	4.32	9.53	12.57	16.82
11/29/2012 13:24	7249	Burner Combustion	Unit 1	Run 3	4.33	9.58	12.48	16.78
11/29/2012 13:25	7249	Burner Combustion	Unit 1	Run 3	4.30	9.55	12.66	16.70
11/29/2012 13:26	7249	Burner Combustion	Unit 1	Run 3	4.31	9.53	12.66	16.68
11/29/2012 13:27	7249	Burner Combustion	Unit 1	Run 3	4.32	9.52	12.44	16.70
11/29/2012 13:28	7249	Burner Combustion	Unit 1	Run 3	4.33	9.53	12.41	16.59
11/29/2012 13:29	7249	Burner Combustion	Unit 1	Run 3	4.31	9.56	12.66	16.52
11/29/2012 13:30	7249	Burner Combustion	Unit 1	Run 3	4.32	9.52	12.62	16.52
11/29/2012 13:31	7249	Burner Combustion	Unit 1	Run 3	4.34	9.55	12.52	16.57
11/29/2012 13:32	7249	Burner Combustion	Unit 1	Run 3	4.32	9.55	12.66	16.51
11/29/2012 13:33	7249	Burner Combustion	Unit 1	Run 3	4.30	9.52	12.68	16.49
11/29/2012 13:34	7249	Burner Combustion	Unit 1	Run 3	4.31	9.55	12.64	16.50
11/29/2012 13:35	7249	Burner Combustion	Unit 1	Run 3	4.33	9.55	12.57	16.51
11/29/2012 13:36	7249	Burner Combustion	Unit 1	Run 3	4.32	9.57	12.67	16.52
11/29/2012 13:37	7249	Burner Combustion	Unit 1	Run 3	4.31	9.57	12.67	16.58
11/29/2012 13:38	7249	Burner Combustion	Unit 1	Run 3	4.31	9.56	12.67	16.62
11/29/2012 13:39	7249	Burner Combustion	Unit 1	Run 3	4.28	9.55	12.92	16.66
11/29/2012 13:40	7249	Burner Combustion	Unit 1	Run 3	4.27	9.57	12.93	16.73
11/29/2012 13:41	7249	Burner Combustion	Unit 1	Run 3	4.26	9.55	12.95	16.86
11/29/2012 13:42	7249	Burner Combustion	Unit 1	Run 3	4.28	9.58	12.95	16.93
11/29/2012 13:43	7249	Burner Combustion	Unit 1	Run 3	4.28	9.56	12.94	16.95
11/29/2012 13:44	7249	Burner Combustion	Unit 1	Run 3	4.29	9.54	12.90	16.88
11/29/2012 13:45	7249	Burner Combustion	Unit 1	Run 3	4.27	9.54	12.93	16.84
11/29/2012 13:46	7249	Burner Combustion	Unit 1	Run 3	4.26	9.53	12.94	16.82
11/29/2012 13:47	7249	Burner Combustion	Unit 1	Run 3	4.30	9.54	12.94	16.79
11/29/2012 13:48	7249	Burner Combustion	Unit 1	Run 3	4.28	9.54	12.93	16.73
11/29/2012 13:49	7249	Burner Combustion	Unit 1	Run 3	4.29	9.50	12.82	16.72
11/29/2012 13:50	7249	Burner Combustion	Unit 1	Run 3	4.30	9.52	12.66	16.68
11/29/2012 13:51	7249	Burner Combustion	Unit 1	Run 3	4.29	9.55	12.70	16.66
11/29/2012 13:52	7249	Burner Combustion	Unit 1	Run 3	4.29	9.58	12.66	16.71
11/29/2012 13:53	7249	Burner Combustion	Unit 1	Run 3	4.30	9.52	12.66	16.75
11/29/2012 13:54	7249	Burner Combustion	Unit 1	Run 3	4.29	9.55	12.73	16.77
11/29/2012 13:55	7249	Burner Combustion	Unit 1	Run 3	4.27	9.55	12.93	16.80
11/29/2012 13:56	7249	Burner Combustion	Unit 1	Run 3	4.29	9.54	12.71	16.88
11/29/2012 13:57	7249	Burner Combustion	Unit 1	Run 3	4.27	9.55	12.83	16.85
11/29/2012 13:58	7249	Burner Combustion	Unit 1	Run 3	4.26	9.58	12.94	16.82
11/29/2012 13:59	7249	Burner Combustion	Unit 1	Run 3	4.29	9.56	12.72	16.83
11/29/2012 14:00	7249	Burner Combustion	Unit 1	Run 3	4.31	9.52	12.74	16.75
11/29/2012 14:01	7249	Burner Combustion	Unit 1	Run 3	4.28	9.55	12.94	16.66
11/29/2012 14:02	7249	Burner Combustion	Unit 1	Run 3	4.29	9.53	12.79	16.67
11/29/2012 14:03	7249	Burner Combustion	Unit 1	Run 3	4.28	9.53	12.86	16.71
End Run 3								
			Run Averages		***4.30***	***9.55***	***12.74***	***16.70***
11/29/2012 14:04	7249	Burner Combustion	Unit 1		4.29	9.53	12.97	16.77
11/29/2012 14:05	7249	Burner Combustion	Unit 1		5.58	8.81	13.08	16.79
11/29/2012 14:06	7249	Burner Combustion	Unit 1		9.90	5.13	3.58	4.35
11/29/2012 14:07	7249	Burner Combustion	Unit 1		9.94	5.03	-0.83	0.63
11/29/2012 14:08	7249	Burner Combustion	Unit 1		8.46	4.79	-0.32	0.54
11/29/2012 14:09	7249	Burner Combustion	Unit 1		0.08	0.43	17.05	16.35
11/29/2012 14:10	7249	Burner Combustion	Unit 1		-0.01	0.02	24.48	24.25
11/29/2012 14:11	7249	Burner Combustion	Unit 1		-0.02	0.02	24.44	24.17

Attachment F
Calibrations and Certifications

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E02AI99E15AC3C7	Reference Number:	82-124172982-1
Cylinder Number:	CC206538	Cylinder Volume:	146 Cu.Ft.
Laboratory:	ASG - Riverton - NJ	Cylinder Pressure:	2015 PSIG
PGVP Number:	B52009	Valve Outlet:	660
		Analysis Date:	Apr 16, 2009

Expiration Date: Oct 16, 2009

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
NITROGEN DIOXIDE	60.00 PPM	60.02 PPM	G1	+/- 2% NIST Traceable
Air	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
GMIS	124063511301	CC207508	51.96PPM NITROGEN DIOXIDE/NITROGEN	Apr 01, 2011

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
California Analytical 600	Chemiluminescence	Mar 30, 2009

Triad Data Available Upon Request

Permanent Notes:ERTHWRKS #24

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E03NI69E15A3629	Reference Number:	83-124263152-1
Cylinder Number:	CC146117	Cylinder Volume:	152 Cu.Ft.
Laboratory:	ASG - Port Allen - LA	Cylinder Pressure:	2015 PSIG
PGVP Number:	B42011	Valve Outlet:	590
		Analysis Date:	Apr 30, 2011

Expiration Date: Apr 30, 2019

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
CARBON DIOXIDE	10.00 %	10.55 %	G1	+/- 1% NIST Traceable
OXYGEN	20.90 %	20.75 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	09060630	CC262441	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	09061403	cc267736	22.53% OXYGEN/NITROGEN	Aug 01, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
x- Horiba VIA-510 5TLU0CCS	CO2 NonDispersive Infrared - Dixon	Apr 12, 2011
Horiba MPA-510 W603MM58 O2	O2 Paramagnetic - Dixon	Apr 15, 2011

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E03NI85E15A0306	Reference Number:	83-124227073-2
Cylinder Number:	CC14084	Cylinder Volume:	148 Cu.Ft.
Laboratory:	ASG - Port Allen - LA	Cylinder Pressure:	2015 PSIG
PGVP Number:	B42011	Valve Outlet:	590
		Analysis Date:	Jul 20, 2010

Expiration Date: Jul 20, 2013

Certification performed in accordance with EPA Traceability Protocol (Sept. 1997) using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
CARBON DIOXIDE	5.000 %	5.033 %	G1	+/- 1% NIST Traceable
OXYGEN	10.00 %	10.13 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	00040210	CC108973	10.00% OXYGEN/NITROGEN	Oct 02, 2011
NTRM	98120604	CC73493	3.912% CARBON DIOXIDE/NITROGEN	Oct 02, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
DSCO2	NonDispersive Infrared	Jun 25, 2010
DH1O2	PMO2	Jun 28, 2010

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E04NI99E15A7125	Reference Number:	83-124263152-5
Cylinder Number:	XC010176B	Cylinder Volume:	144 Cu.Ft.
Laboratory:	ASG - Port Allen - LA	Cylinder Pressure:	2015 PSIG
PGVP Number:	B42011	Valve Outlet:	660
		Analysis Date:	May 09, 2011

Expiration Date: May 09, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
CARBON MONOXIDE	50.00 PPM	51.42 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	50.00 PPM	49.91 PPM	G1	+/- 1% NIST Traceable
PROPANE	50.00 PPM	50.22 PPM	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
Total oxides of nitrogen		50.23 PPM		For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	05120312	CC180109	49.33PPM CARBON MONOXIDE/NITROGEN	Feb 02, 2013
NTRM	99060203	CC263030	49.62PPM PROPANE/NITROGEN	Jul 08, 2012
NTRM	10061119	cc283757	49.73PPM NITRIC OXIDE/NITROGEN	Jul 23, 2016

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AHR0801556 LCO	FTIR	Apr 11, 2011
Nicolet 6700 AHR0801556 LNO	FTIR	Apr 26, 2011
Nicolet 6700 AHR0801556 L2C3H8	FTIR	Apr 25, 2011

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E04NI99E15A7104	Reference Number:	83-124290413-4
Cylinder Number:	CC317646	Cylinder Volume:	144 Cu.Ft.
Laboratory:	ASG - Port Allen - LA	Cylinder Pressure:	2015 PSIG
PGVP Number:	B42011	Valve Outlet:	660
		Analysis Date:	Nov 18, 2011

Expiration Date: Nov 18, 2014

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
NOx	25.00 PPM	24.97 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	25.00 PPM	24.82 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	25.00 PPM	24.81 PPM	G1	+/- 1% NIST Traceable
PROPANE	25.00 PPM	23.91 PPM	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061025	CC263072	49.62PPM PROPANE/AIR	Jul 15, 2012
ntrm	10060313	cc281019	20.34PPM NITRIC OXIDE/NITROGEN	Feb 13, 2013
NTRM	10060313	CC281019NOx	20.34PPM NOx/NITROGEN	Feb 01, 2013
NTRM	09061835	CC282652	24.35PPM CARBON MONOXIDE/NITROGEN	Oct 02, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AHR0801556 LCO	FTIR	Nov 01, 2011
Thermo 42iLS 1123749327 NO	Chemiluminescence	Nov 16, 2011
Thermo 42iLS 1123749327 NOx	Chemiluminescence	Nov 16, 2011
Nicolet 6700 AHR0801556 M1C3H8	FTIR	Nov 10, 2011

Triad Data Available Upon Request

Notes:

Signature on file

Attachment 2: Minimum Frequency Justification

KM requests an annual minimum frequency. As justification, KM cites requirements from 40 CFR 63.7540(a)(10) and 40 CFR 63.7540(a)(10)(v), with which B1 and B2 currently comply. KM has attached the rule text of 40 CFR 63.7540(a)(10).

40 CFR 63.7540(a)(10) cites “annual tune-up of the boiler or process heater to demonstrate continuous compliance”. 40 CFR 63.7540(a)(10)(v) further cites CO measurements as a component of the annual tune-up process to demonstrate this continuous compliance.

Additionally, as long as KM has been complying with this requirement, consistent results were significantly below the § 117.310(c)(1) compliance threshold. As evidence, KM has provided examples of these measurements from the past two years as attachments.

Therefore, KM contends the annual frequency is sufficient to demonstrate continuous compliance to the § 117.310(c)(1) requirement.

This content is from the eCFR and is authoritative but unofficial.

Title 40 —Protection of Environment
Chapter I —Environmental Protection Agency
Subchapter C —Air Programs
Part 63 —National Emission Standards for Hazardous Air Pollutants for Source Categories
Subpart DDDDD —National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters
Continuous Compliance Requirements

Source: 76 FR 15664, Mar. 21, 2011, unless otherwise noted.
Authority: 42 U.S.C. 7401 *et seq.*
Source: 57 FR 61992, Dec. 29, 1992, unless otherwise noted.

§ 63.7540 How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 15 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) Following the date on which the initial compliance demonstration is completed or is required to be completed under §§ 63.7 and 63.7510, whichever date comes first, operation above the established maximum or below the established minimum operating limits shall constitute a deviation of established operating limits listed in Table 4 of this subpart except during performance tests conducted to determine compliance with the emission limits or to establish new operating limits. Operating limits must be confirmed or reestablished during performance tests.

(2) As specified in § 63.7555(d), you must keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would result in either of the following:

(i) Equal to or lower emissions of HCl, mercury, and TSM than the applicable emission limit for each pollutant, if you demonstrate compliance through fuel analysis.

(ii) Equal to or lower fuel input of chlorine, mercury, and TSM than the maximum values calculated during the last performance test, if you demonstrate compliance through performance testing.

(3) If you demonstrate compliance with an applicable HCl emission limit through fuel analysis for a solid or liquid fuel and you plan to burn a new type of solid or liquid fuel, you must recalculate the HCl emission rate using Equation 16 of § 63.7530 according to paragraphs (a)(3)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the HCl emission rate.

(i) You must determine the chlorine concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of chlorine.

(iii) Recalculate the HCl emission rate from your boiler or process heater under these new conditions using Equation 16 of § 63.7530. The recalculated HCl emission rate must be less than the applicable emission limit.

(4) If you demonstrate compliance with an applicable HCl emission limit through performance testing and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum chlorine input using Equation 7 of § 63.7530. If the results of recalculating the maximum chlorine input using Equation 7 of § 63.7530 are greater than the maximum chlorine input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the HCl emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). In recalculating the maximum chlorine input and establishing the new operating limits, you are not required to conduct fuel analyses for and include the fuels described in § 63.7510(a)(2)(i) through (iii).

(5) If you demonstrate compliance with an applicable mercury emission limit through fuel analysis, and you plan to burn a new type of fuel, you must recalculate the mercury emission rate using Equation 17 of § 63.7530 according to the procedures specified in paragraphs (a)(5)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the mercury emission rate.

(i) You must determine the mercury concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of mercury.

(iii) Recalculate the mercury emission rate from your boiler or process heater under these new conditions using Equation 17 of § 63.7530. The recalculated mercury emission rate must be less than the applicable emission limit.

(6) If you demonstrate compliance with an applicable mercury emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum mercury input using Equation 8 of § 63.7530. If the results of recalculating the maximum mercury input using Equation 8 of § 63.7530 are higher than the maximum mercury input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the mercury emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the mercury emission rate.

(7) If your unit is controlled with a fabric filter, and you demonstrate continuous compliance using a bag leak detection system, you must initiate corrective action within 1 hour of a bag leak detection system alert and complete corrective actions as soon as practical, and operate and maintain the fabric filter system such that the periods which would cause an alert are no more than 5 percent of the operating time during a 6-month period. You must also keep records of the date, time, and duration of each alert, the time corrective action was initiated and completed, and a brief description of the cause of the alert and the corrective action taken. You must also record the percent of the

operating time during each 6-month period that the conditions exist for an alert. In calculating this operating time percentage, if inspection of the fabric filter demonstrates that no corrective action is required, no alert time is counted. If corrective action is required, each alert shall be counted as a minimum of 1 hour. If you take longer than 1 hour to initiate corrective action, the alert time shall be counted as the actual amount of time taken to initiate corrective action.

(8) To demonstrate compliance with the applicable alternative CO CEMS emission limit listed in Table 1 or 2 or Tables 11 through 15 to this subpart, you must meet the requirements in paragraphs (a)(8)(i) through (iv) of this section.

(i) Continuously monitor CO according to §§ 63.7525(a) and 63.7535.

(ii) Maintain a CO emission level below or at your applicable alternative CO CEMS-based standard in Table 1 or 2 or Tables 11 through 15 to this subpart at all times the affected unit is subject to numeric emission limits.

(iii) Keep records of CO levels according to § 63.7555(b).

(iv) You must record and make available upon request results of CO CEMS performance audits, dates and duration of periods when the CO CEMS is out of control to completion of the corrective actions necessary to return the CO CEMS to operation consistent with your site-specific monitoring plan.

(9) The owner or operator of a boiler or process heater using a PM CPMS or a PM CEMS to meet requirements of this subpart shall install, certify (PM CEMS only), operate, and maintain the PM CPMS or PM CEMS in accordance with your site-specific monitoring plan as required in § 63.7505(d).

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in § 63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_X requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in § 63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) If you are using a CEMS measuring mercury emissions to meet requirements of this subpart you must install, certify, operate, and maintain the mercury CEMS as specified in paragraphs (a)(14)(i) and (ii) of this section.

(i) Operate the mercury CEMS in accordance with performance specification 12A of 40 CFR part 60, appendix B or operate a sorbent trap based integrated monitor in accordance with performance specification 12B of 40 CFR part 60, appendix B. The duration of the performance test must be 30 operating days if you specified a 30 operating day basis in § 63.7545(e)(2)(iii) for mercury CEMS or it must be 720 hours if you specified a 720 hour basis in § 63.7545(e)(2)(iii) for mercury CEMS. For each day in which the unit operates, you must obtain hourly mercury concentration data, and stack gas volumetric flow rate data.

(ii) If you are using a mercury CEMS, you must install, operate, calibrate, and maintain an instrument for continuously measuring and recording the mercury mass emissions rate to the atmosphere according to the requirements of performance specifications 6 and 12A of 40 CFR part 60, appendix B, and quality assurance procedure 6 of 40 CFR part 60, appendix F.

(15) If you are using a CEMS to measure HCl emissions to meet requirements of this subpart, you must install, certify, operate, and maintain the HCl CEMS as specified in paragraphs (a)(15)(i) and (ii) of this section. This option for an affected unit takes effect on the date of approval of a site-specific monitoring plan.

(i) Operate the continuous emissions monitoring system in accordance with the applicable performance specification in 40 CFR part 60, appendix B. The duration of the performance test must be 30 operating days if you specified a 30 operating day basis in § 63.7545(e)(2)(iii) for HCl CEMS or it must be 720 hours if you specified a 720 hour basis in § 63.7545(e)(2)(iii) for HCl CEMS. For each day in which the unit operates, you must obtain hourly HCl concentration data, and stack gas volumetric flow rate data.

(ii) If you are using a HCl CEMS, you must install, operate, calibrate, and maintain an instrument for continuously measuring and recording the HCl mass emissions rate to the atmosphere according to the requirements of the applicable performance specification of 40 CFR part 60, appendix B, and the quality assurance procedures of 40 CFR part 60, appendix F.

(16) If you demonstrate compliance with an applicable TSM emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum TSM input using Equation 9 of § 63.7530. If the results of recalculating the maximum TSM input using Equation 9 of § 63.7530 are higher than the maximum total selected input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in § 63.7520 to demonstrate that the TSM emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in § 63.7530(b). You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the TSM emission rate.

(17) If you demonstrate compliance with an applicable TSM emission limit through fuel analysis for solid or liquid fuels, and you plan to burn a new type of fuel, you must recalculate the TSM emission rate using Equation 18 of § 63.7530 according to the procedures specified in paragraphs (a)(5)(i) through (iii) of this section. You are not required to conduct fuel analyses for the fuels described in § 63.7510(a)(2)(i) through (iii). You may exclude the fuels described in § 63.7510(a)(2)(i) through (iii) when recalculating the TSM emission rate.

(i) You must determine the TSM concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to § 63.7521(b).

(ii) You must determine the new mixture of fuels that will have the highest content of TSM.

(iii) Recalculate the TSM emission rate from your boiler or process heater under these new conditions using Equation 18 of § 63.7530. The recalculated TSM emission rate must be less than the applicable emission limit.

(18) If you demonstrate continuous PM emissions compliance with a PM CPMS you will use a PM CPMS to establish a site-specific operating limit corresponding to the results of the performance test demonstrating compliance with the PM limit. You will conduct your performance test using the test method criteria in Table 5 of this subpart. You will use the PM CPMS to demonstrate continuous compliance with this operating limit. You must repeat the performance test annually and reassess and adjust the site-specific operating limit in accordance with the results of the performance test.

(i) To determine continuous compliance, you must record the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out-of-control. You must demonstrate continuous compliance by using all quality-assured hourly average data collected by the PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit (milliamps) on a 30-day rolling average basis.

(ii) For any deviation of the 30-day rolling PM CPMS average value from the established operating parameter limit, you must:

(A) Within 48 hours of the deviation, visually inspect the air pollution control device (APCD);

(B) If inspection of the APCD identifies the cause of the deviation, take corrective action as soon as possible and return the PM CPMS measurement to within the established value; and

(C) Within 30 days of the deviation or at the time of the annual compliance test, whichever comes first, conduct a PM emissions compliance test to determine compliance with the PM emissions limit and to verify or re-establish the CPMS operating limit. You are not required to conduct additional testing for any deviations that occur between the time of the original deviation and the PM emissions compliance test required under this paragraph.

(iii) PM CPMS deviations from the operating limit leading to more than four required performance tests in a 12-month operating period constitute a separate violation of this subpart.

(19) If you choose to comply with the PM filterable emissions limit by using PM CEMS you must install, certify, operate, and maintain a PM CEMS and record the output of the PM CEMS as specified in paragraphs (a)(19)(i) through (vii) of this section. The compliance limit will be expressed as a 30-day rolling average of the numerical emissions limit value applicable for your unit in Table 1 or 2 or Tables 11 through 15 to this subpart.

(i) Install and certify your PM CEMS according to the procedures and requirements in Performance Specification 11—Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources in Appendix B to part 60 of this chapter, using test criteria outlined in Table V of this rule. The reportable measurement output from the PM CEMS must be expressed in units of the applicable emissions limit (e.g., lb/MMBtu, lb/MWh).

(ii) Operate and maintain your PM CEMS according to the procedures and requirements in Procedure 2— Quality Assurance Requirements for Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources in Appendix F to part 60 of this chapter.

(A) You must conduct the relative response audit (RRA) for your PM CEMS at least once annually.

(B) You must conduct the relative correlation audit (RCA) for your PM CEMS at least once every 3 years.

(iii) Collect PM CEMS hourly average output data for all boiler operating hours except as indicated in paragraph (v) of this section.

(iv) Calculate the arithmetic 30-day rolling average of all of the hourly average PM CEMS output data collected during all nonexempt boiler or process heater operating hours.

(v) You must collect data using the PM CEMS at all times the unit is operating and at the intervals specified this paragraph (a), except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities.

(vi) You must use all the data collected during all boiler or process heater operating hours in assessing the compliance with your operating limit except:

(A) Any data collected during monitoring system malfunctions, repairs associated with monitoring system malfunctions, or required monitoring system quality assurance or control activities conducted during monitoring system malfunctions in calculations and report any such periods in your annual deviation report;

(B) Any data collected during periods when the monitoring system is out of control as specified in your site-specific monitoring plan, repairs associated with periods when the monitoring system is out of control, or required monitoring system quality assurance or control activities conducted during out of control periods in calculations used to report emissions or operating levels and report any such periods in your annual deviation report;

(C) Any data recorded during periods of startup or shutdown.

(vii) You must record and make available upon request results of PM CEMS system performance audits, dates and duration of periods when the PM CEMS is out of control to completion of the corrective actions necessary to return the PM CEMS to operation consistent with your site-specific monitoring plan.

(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 15 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in § 63.7550.

(c) If you elected to demonstrate that the unit meets the specification for mercury for the unit designed to burn gas 1 subcategory, you must follow the sampling frequency specified in paragraphs (c)(1) through (4) of this section and conduct this sampling according to the procedures in § 63.7521(f) through (i).

(1) If the initial mercury constituents in the gaseous fuels are measured to be equal to or less than half of the mercury specification as defined in § 63.7575, you do not need to conduct further sampling.

(2) If the initial mercury constituents are greater than half but equal to or less than 75 percent of the mercury specification as defined in § 63.7575, you will conduct semi-annual sampling. If 6 consecutive semi-annual fuel analyses demonstrate 50 percent or less of the mercury specification, you do not need to conduct further sampling. If any semi-annual sample exceeds 75 percent of the mercury specification, you must return to monthly sampling for that fuel, until 12 months of fuel analyses again are less than 75 percent of the compliance level.

(3) If the initial mercury constituents are greater than 75 percent of the mercury specification as defined in § 63.7575, you will conduct monthly sampling. If 12 consecutive monthly fuel analyses demonstrate 75 percent or less of the mercury specification, you may decrease the fuel analysis frequency to semi-annual for that fuel.

(4) If the initial sample exceeds the mercury specification as defined in § 63.7575, each affected boiler or process heater combusting this fuel is not part of the unit designed to burn gas 1 subcategory and must be in compliance with the emission and operating limits for the appropriate subcategory. You may elect to conduct additional monthly sampling while complying with these emissions and operating limits to demonstrate that the fuel qualifies as another gas 1 fuel. If 12 consecutive monthly fuel analyses samples are at or below the mercury specification as defined in § 63.7575, each affected boiler or process heater combusting the fuel can elect to switch back into the unit designed to burn gas 1 subcategory until the mercury specification is exceeded.

(d) For startup and shutdown, you must meet the work practice standards according to items 5 and 6 of Table 3 of this subpart.

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015; 87 FR 60846, Oct. 6, 2022]

BURNER Combustion SYSTEMS

Customer Information	
Date	05/05/2023 08:00am CDT
Company Name	Kinder Morgan-Galena Park
Address	1500 Clinton Drive
City	Galena Park
State	TX
Serial#	132797
Model	LX-300

Condition			Combustion		
Steam Pressure	84	PSI	LF O2	5.40	%
Firing Rate		%	LF CO	8	ppm
Flue Gas Temperature	232	F	LF Nox	9	ppm
Feedwater Temperature	140	F	LF Manifold	5.20	inwc
Scale Monitor Temperature	304	F	LF Orifice Differential	1.79	inwc
High Limit Temperature	382	F	LF Furnace Pressure	2.33	inwc
Flame Signal	10.6	mA	HF O2	5.61	%
Blowdown Time	0	hrs	HF CO	11	ppm
Conductivity	700	mS	HF Nox	7	ppm
Run Cycles	98	#	HF Manifold	23.15	inwc
Run Time LF	2:55	Hrs	HF Orifice Differential	7.8	inwc
Run Time HF	0:00	Hrs	HF Furnace Pressure	13.47	inwc
Pump Amp Draw	10.1	A	Gas Supply Pressure	9	psi
Fan Amp Draw	15.1	A	Regulated Gas Pressure	30.9	inwc

Alarms/Lockouts	Water Treatment		
1 Boiler Check 1	Chemical Pumps Primed	YES	
2 Utility Alarm 1	Chemical Pump Leaking	NO	
3 Water Alarm 18	N/A		%
4 Burner Alarm 13	N/A		%
5 Burner Alarm 13	N/A		%

Interlock Testing	Setting	Test
High Gas Pressure	52	SAT
Low Gas Pressure	60	SAT
Low Air Pressure	2	SAT
High Air Pressure	15	SAT
UV Scanner		SAT
Low Water Cut-Off		SAT
High Steam Pressure	175	SAT

Brad Homme

BURNER Combustion SYSTEMS

Customer Information	
Date	05/05/2023 08:00am CDT
Company Name	Kinder Morgan-Galena Park
Address	1500 Clinton Drive
City	Galena Park
State	TX
Serial#	17647
Model	LX-300

Condition			Combustion		
Steam Pressure	81	PSI	LF O2	5.67	%
Firing Rate		%	LF CO	4	ppm
Flue Gas Temperature	219	F	LF Nox	8	ppm
Feedwater Temperature	143	F	LF Manifold	5.86	inwc
Scale Monitor Temperature	333	F	LF Orifice Differential	1.44	inwc
High Limit Temperature	294	F	LF Furnace Pressure	2.87	inwc
Flame Signal	10.4	mA	HF O2	5.58	%
Blowdown Time	0	hrs	HF CO	6	ppm
Conductivity	1200	mS	HF Nox	7	ppm
Run Cycles	0	#	HF Manifold	24.71	inwc
Run Time LF	7:01	Hrs	HF Orifice Differential	7.28	inwc
Run Time HF	0:58	Hrs	HF Furnace Pressure	15.22	inwc
Pump Amp Draw	9.8	A	Gas Supply Pressure	9	psi
Fan Amp Draw	14.7	A	Regulated Gas Pressure	32.17	inwc

Alarms/Lockouts	Water Treatment		
1 Misc Check 1	Chemical Pumps Primed	YES	
2 Water Alarm 16	Chemical Pump Leaking	NO	
3 Sensor Alarm 1	N/A		%
4 Utility Alarm 1	N/A		%
5 Burner Alarm 2	N/A		%

Interlock Testing	Setting	Test
High Gas Pressure	200	SAT
Low Gas Pressure	20	SAT
Low Air Pressure	2	SAT
High Air Pressure	22	SAT
UV Scanner		SAT
Low Water Cut-Off		SAT
High Steam Pressure	175	SAT

Brad Homme

BURNER Combustion SYSTEMS

Customer Information	
Date	05/14/2024 07:30am CDT
Company Name	Kinder Morgan-Galena Park
Address	1500 Clinton Drive
City	Galena Park
State	TX
Serial#	275241
Model	LX300

Condition			Combustion		
Steam Pressure	90	PSI	LF O2	5.6	%
Firing Rate	Low	%	LF CO	3	ppm
Flue Gas Temperature	234	F	LF Nox	10	ppm
Feedwater Temperature	171	F	LF Manifold		inwc
Scale Monitor Temperature	458	F	LF Orifice Differential		inwc
High Limit Temperature	377	F	LF Furnace Pressure		inwc
Flame Signal	11	mA	HF O2	5.7	%
Blowdown Time	0	hrs	HF CO	5	ppm
Conductivity	1700	mS	HF Nox	7	ppm
Run Cycles	0	#	HF Manifold		inwc
Run Time LF	8:16	Hrs	HF Orifice Differential		inwc
Run Time HF	0	Hrs	HF Furnace Pressure		inwc
Pump Amp Draw	9.7	A	Gas Supply Pressure	5	psi
Fan Amp Draw	14.7	A	Regulated Gas Pressure		inwc

Alarms/Lockouts	Water Treatment		
1 Burner Alarm 5	Chemical Pumps Primed	YES	
2 Burner Alarm 5	Chemical Pump Leaking	NO	
3 Water Alarm 2	N/A		%
4 Water Alarm 2	N/A		%
5 Water Alarm 2	N/A		%

Interlock Testing	Setting	Test
High Gas Pressure	52	Good
Low Gas Pressure	60	Good
Low Air Pressure	4	Good
High Air Pressure	12	Good
UV Scanner	0	Good
Low Water Cut-Off	L2	Good
High Steam Pressure	175	Good

Tim Prescott

BURNER Combustion SYSTEMS

Customer Information	
Date	05/14/2024 07:30am CDT
Company Name	Kinder Morgan-Galena Park
Address	1500 Clinton Drive
City	Galena Park
State	TX
Serial#	17647
Model	LX300

Condition			Combustion		
Steam Pressure	82	PSI	LF O2	5.2	%
Firing Rate	Low	%	LF CO	3	ppm
Flue Gas Temperature	275	F	LF Nox	12	ppm
Feedwater Temperature	187	F	LF Manifold		inwc
Scale Monitor Temperature	342	F	LF Orifice Differential		inwc
High Limit Temperature	288	F	LF Furnace Pressure		inwc
Flame Signal	10	mA	HF O2	5.9	%
Blowdown Time	120	hrs	HF CO	3	ppm
Conductivity	1000	mS	HF Nox	10	ppm
Run Cycles	0	#	HF Manifold		inwc
Run Time LF	0:20	Hrs	HF Orifice Differential		inwc
Run Time HF	8:39	Hrs	HF Furnace Pressure		inwc
Pump Amp Draw	10.1	A	Gas Supply Pressure	5	psi
Fan Amp Draw	15	A	Regulated Gas Pressure		inwc

Alarms/Lockouts	Water Treatment		
1 Misc Chexk 1	Chemical Pumps Primed	YES	
2 Water Alarm 16	Chemical Pump Leaking	NO	
3 Utility Alarm 1	N/A		%
4 Water Alarm 16	N/A		%
5 Water Alarm 1	N/A		%

Interlock Testing	Setting	Test
High Gas Pressure	20	Good
Low Gas Pressure	40	Good
Low Air Pressure	4	Good
High Air Pressure	10	Good
UV Scanner	0	Good
Low Water Cut-Off	L2	Good
High Steam Pressure	175	Good

Tim Prescott

Attachment 3: Periodic Monitoring Text and Justification

KM has attached a proposed periodic monitoring text. The text mirrors the language in the APDG 5241 (Air Permit Reviewer Reference Guide Periodic Monitoring) for CO monitoring. Below are the updates made by KM:

Update 1:

Original Language:

Establish a maximum carbon monoxide concentration using the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.

Proposed Periodic Monitoring Text:

Establish a maximum carbon monoxide concentration using the applicable regulatory requirement in § 117.310(c)(1).

Justification: KM updated this language to reflect the chosen indicator and deviation from the rule text. See indicator justification in Attachment 1.

Update 2:

Original Language:

Any monitoring data below the maximum limit shall be considered and reported as a deviation.

Proposed Periodic Monitoring Text:

Any monitoring data above the maximum limit shall be considered and reported as a deviation.

Justification: This was a typo in the original guidance that KM corrected. Concentrations above the limit should be considered deviations, not below.

Proposed Periodic Monitoring Text:

Measure and record the carbon monoxide concentration using a portable analyzer. Establish a maximum carbon monoxide concentration using **the applicable regulatory requirement in § 117.310(c)(1)**. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources For Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Any monitoring data **above** the maximum limit shall be considered and reported as a deviation.

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.
05/24/2024	O-1070	RN102753670

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

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Form OP-REQ1 (Page 2)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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 (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
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Federal Operating Permit Program
Texas Commission on Environmental Quality

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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

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Texas Commission on Environmental Quality

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♦ 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 (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

Application Area-Wide Applicability Determinations and General Information
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05/24/2024	O-1070	RN102753670

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

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

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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

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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

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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

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "No" or "N/A," go to Section III.I.*	☐ Yes ☐ No ☐ N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐ Yes ☐ No
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐ Yes ☐ No
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐ Yes ☐ No
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐ Yes ☒ No
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐ Yes ☐ No ☐ N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☐ Yes ☒ No ☐ N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐ Yes ☒ No ☐ N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐ Yes ☒ No
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "No," go to Section III.L.*	☐ Yes ☒ No
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐ Yes ☐ No
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐ Yes ☐ No
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐ Yes ☐ No
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "No" or "N/A," go to Section III.M.*	☒ Yes ☐ No ☐ N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "Yes," go to Section III.M.*	☐ Yes ☒ No ☐ N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**	
♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒ Yes ☐ No ☐ N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒ Yes ☐ No ☐ N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ Yes ☒ No
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ Yes ☒ No ☐ N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐ Yes ☒ No ☐ N/A
	M.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum-based solvents.	☐ Yes ☒ No ☐ N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	N.	**Vent Gas Control (Highly Reactive Volatile Organic Compounds (HRVOC)**	
	1.	The application area includes one or more vent gas streams containing HRVOC.	☐ Yes ☒ No ☐ N/A
	2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "No" or "N/A," go to Section III.O. If the response to Question III.N.1 is "Yes," continue with Question III.N.3.*	☐ Yes ☒ No ☐ N/A
	3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐ Yes ☐ No
	4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "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

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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

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "No," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "No," go to Section IV.F.*	☒ Yes ☐ NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☒ Yes ☐ No ☐ N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐ Yes ☒ No
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐ Yes ☒ No ☐ N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐ Yes ☒ No ☐ N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "No," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "No," go to Section VI.*	☐ Yes ☒ No
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐ Yes ☐ No
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐ Yes ☐ No

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ Yes ☐ No
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ Yes ☐ No
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "No," go to Section IV.G.*	☐ Yes ☐ No
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐ Yes ☐ No
	8.	An ACSS for ammonia (NH_3) has been approved?	☐ Yes ☐ No
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "No," go to Question IV.H.1.*	☐ Yes ☒ No
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ Yes ☐ No
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "No," go to Section V.*	☐ Yes ☒ No
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ Yes ☐ No

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**	
A.	**Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐ Yes ☒ No
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "No," go to Section V.B.*	☐ Yes ☒ No
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐ Yes ☐ No
B.	**Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**	
1.	The application area manufactures consumer products for sale or distribution in the United States.	☐ Yes ☒ No
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐ Yes ☒ No
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "No," go to Section V.C.*	☐ Yes ☒ No
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐ Yes ☐ No

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐ Yes ☒ No
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "No," go to Section V.D.*	☐ Yes ☒ No
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐ Yes ☐ No
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐ Yes ☒ No
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐ Yes ☒ No
	E.	**Subpart F - Control of Evaporative Emissions from New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "No," go to Section VI.*	☐ Yes ☒ No
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐ Yes ☐ No
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "No," go to Section VII.*	☒ Yes ☐ No

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "No," go to Section VI.C.*	☐ Yes ☒ No
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "No," go to Section VI.C.*	☐ Yes ☐ No
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "Yes," go to Section VI.C.*	☐ Yes ☐ No
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "No," go to Section VI.C.*	☐ Yes ☐ No
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐ Yes ☐ No
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "No" or "N/A," go to Section VI.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

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♦ 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

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♦ 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

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♦ 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

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♦ 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

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♦ 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

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♦ 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

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♦ 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

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**	
D.	**Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants**	
1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "No," go to Section VII.E.*	☐ Yes ☒ No
2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐ Yes ☐ No
3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐ Yes ☐ No
E.	**Subpart M - National Emission Standard for Asbestos**	
	Applicability	
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "No," go to Section VII.F.*	☐ Yes ☒ No
	Roadway Construction	
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐ Yes ☐ No
	Manufacturing Commercial Asbestos	
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "No," go to Question VII.E.4.*	☐ Yes ☐ No
	a. Visible emissions are discharged to outside air from the manufacturing operation	☐ Yes ☐ No
	b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐ Yes ☐ No

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♦ 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

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♦ 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)**	
		***Asbestos Spray Application* (continued)**	
	d.	Asbestos-containing waste material is processed into non-friable forms.	☐ Yes ☐ No
	e.	Asbestos-containing waste material is adequately wetted.	☐ Yes ☐ No
	f.	Alternative filtering equipment is being used that has received EPA approval.	☐ Yes ☐ No
	g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3-micron particles.	☐ Yes ☐ No
	h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ Yes ☐ No
		Fabricating Commercial Asbestos	
5.		The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "No," go to Question VII.E.6.*	☐ Yes ☐ No
	a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐ Yes ☐ No
	b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ Yes ☐ No
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐ Yes ☐ No
	d.	Asbestos-containing waste material is adequately wetted.	☐ Yes ☐ No
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐ Yes ☐ No

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**	
E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
	***Fabricating Commercial Asbestos* (continued)**	
	f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3-micron particles.	☐ Yes ☐ No
	g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ Yes ☐ No
	Non-sprayed Asbestos Insulation	
6.	The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐ Yes ☐ No
	Asbestos Conversion	
7.	The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐ Yes ☐ No
F.	**Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**	
1.	The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐ Yes ☒ No
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**	
1.	The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "No," go to Section VII.H.*	☒ Yes ☐ No
2.	The application area includes benzene transfer operations at marine vessel loading racks.	☒ Yes ☐ No

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♦ 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)**	
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)**	
3.	The application area includes benzene transfer operations at railcar loading racks.	☒ Yes ☐ No
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☒ Yes ☐ No
H.	**Subpart FF - National Emission Standard for Benzene Waste Operations**	
	Applicability	
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐ Yes ☒ No
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "No," go to Section VIII.*	☐ Yes ☒ No
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "Yes," go to Section VIII.*	☐ Yes ☐ No
4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "Yes," go to Section VIII*	☐ Yes ☐ No
5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "Yes," go to Section VIII.*	☐ Yes ☐ No

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**	
	H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)	
	***Applicability* (continued)**	
6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☐ Yes ☐ No
7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐ Yes ☐ No
	Waste Stream Exemptions	
8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐ Yes ☐ No
9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐ Yes ☐ No
10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐ Yes ☐ No
11.	The application area transfers waste off-site for treatment by another facility.	☐ Yes ☐ No
12.	The application area is complying with 40 CFR § 61.342(d).	☐ Yes ☐ No
13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "No," go to Question VII.H.15.*	☐ Yes ☐ No
14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐ Yes ☐ No

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**	
	H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)	
	Container Requirements	
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "No," go to Question VII.H.18.*	☐ Yes ☐ No
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "Yes," go to Question VII.H.18.*	☐ Yes ☐ No
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
	Individual Drain Systems	
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "No," go to Question VII.H.25.*	☐ Yes ☐ No
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "Yes," go to Question VII.H.25.*	☐ Yes ☐ No
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "No," go to Question VII.H.22.*	☐ Yes ☐ No
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "No," go to Question VII.H.25.*	☐ Yes ☐ No
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ Yes ☐ No
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ Yes ☐ No
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	☐ Yes ☐ No
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒ Yes ☐ No
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "No," go to Section VIII.D.*	☒ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)**	
2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "No," go to Section VIII.D.*	☐ Yes ☒ No
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐ Yes ☐ No
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐ Yes ☐ No
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "No," go to Section VIII.D.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C.	**Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater**	
	Applicability	
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "No," go to Section VIII.D.*	☐ Yes ☐ No
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐ Yes ☐ No
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "No," go to Question VIII.C.8.*	☐ Yes ☐ No
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard piping.	☐ Yes ☐ No
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "No," go to Question VIII.C.8.*	☐ Yes ☐ No
	Vapor Collection and Closed Vent Systems	
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐ Yes ☐ No
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
C.	**Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**	
	Reloading or Cleaning of Railcars, Tank Trucks, or Barges	
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "No," go to Question VIII.C.11.*	☐ Yes ☐ No
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐ Yes ☐ No
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐ Yes ☐ No
	Transfer Racks	
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐ Yes ☐ No
	Process Wastewater Streams	
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.12 is "No," go to Question VIII.C.34.*	☐ Yes ☐ No
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.13 is "No," go to Question VIII.C.15.*	☐ Yes ☐ No
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐ Yes ☐ No
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.15 is "No," go to Question VIII.C.17.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
	***Process Wastewater Streams* (continued)**	
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐ Yes ☐ No
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "No," go to Question VIII.C.20.*	☐ Yes ☐ No
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐ Yes ☐ No
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐ Yes ☐ No
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐ Yes ☐ No
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐ Yes ☐ No
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐ Yes ☐ No
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
C.	**Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**	
	Process Wastewater Streams **(continued)**	
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "Yes," go to Question VIII.C.34.*	☐ Yes ☐ No
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "No," go to Question VIII.C.27.*	☐ Yes ☐ No
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.27 - VIII.C.28 are both "No," go to Question VIII.C.30.*	☐ Yes ☐ No
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
C.	**Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**	
	Drains	
31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "No," go to Question VIII.C.34.*	☐ Yes ☐ No
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.34 is "No," go to Question VIII.C.39.*	☐ Yes ☐ No
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.35 is "No," go to Question VIII.C.39.*	☐ Yes ☐ No
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
C.	**Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)**	
	***Drains* (continued)**	
37.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
38.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ Yes ☐ No
	Gas Streams	
39.	The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐ Yes ☐ No
40.	The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐ Yes ☐ No
D.	**Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**	
1.	The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐ Yes ☒ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
E.	**Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities**	
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "No," go to Section VIII.F.*	☐ Yes ☐ No
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "No," go to Section VIII.F.*	☐ Yes ☐ No
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐ Yes ☐ No
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐ Yes ☐ No
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "No," go to Section VIII.G.*	☐ Yes ☒ No
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐ Yes ☐ No
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☒ Yes ☐ No
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "No," go to Section VIII.H.*	☐ Yes ☒ No
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "Yes," go to Question VIII.G.10.*	☒ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)**	
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "Yes," go to Question VIII.G.10.*	☐ Yes ☐ No
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "No," go to Question VIII.G.10.*	☐ Yes ☐ No
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.6 is "No," go to Question VIII.G.10.*	☐ Yes ☐ No
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.7 is "Yes," go to Section VIII.H.*	☐ Yes ☐ No
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.8 is "Yes," go to Section VIII.H.*	☐ Yes ☐ No
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.9 is "Yes," go to Question VIII.G.11.*	☐ Yes ☐ No
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.10 is "No," go to Section VIII.H.*	☒ Yes ☐ No
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐ Yes ☒ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
H.	**Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry**	
1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "No," go to Section VIII.I.*	☐ Yes ☒ No
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "No," go to Section VIII.I.*	☐ Yes ☐ No
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "No," go to Section VIII.I.*	☐ Yes ☐ No
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐ Yes ☐ No
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐ Yes ☐ No
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "No," go to Section VIII.I.*	☐ Yes☐ No
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐ Yes ☐ No
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
I.	**Subpart T - National Emission Standards for Halogenated Solvent Cleaning**	
1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐ Yes ☒ No
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐ Yes ☒ No
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐ Yes ☒ No
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**	
1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "No," go to Section VIII.K.*	☐ Yes ☒ No
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "No," go to Section VIII.K.*	☐ Yes ☐ No
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐ Yes ☐ No
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "Yes," go to Question VIII.J.15.*	☐ Yes ☐ No
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "No," go to Question VIII.J.8.*	☐ Yes ☐ No
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "No," go to Question VIII.J.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	Containers	
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
	Drains	
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "No," go to Question VIII.J.15.*	☐ Yes ☐ No
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "No," go to Section VIII.K.*	☐ Yes ☐ No
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "No," go to Section VIII.K.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ Yes ☐ No
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "No" or "N/A," go to Section VIII.L.*	☐ Yes ☒ No ☐ N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "No" or "N/A," go to Section VIII.M.*	☐ Yes ☒ No ☐ N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐ Yes ☐ No
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☒ Yes ☐ No
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "No," go to Section VIII.O.*	☐ Yes ☒ No
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "Yes," go to Section VIII.O.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
	***Applicability* (continued)**	
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "No," go to Section VIII.O.*	☐ Yes ☐ No
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "No," go to Section VIII.O.*	☐ Yes ☐ No
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "No," go to 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

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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

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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

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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)**	
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "No," go to Question VIII.O.14.*	☐ Yes ☐ No
12.	VOHAP concentration is determined by direct measurement.	☐ Yes ☐ No
13.	VOHAP concentration is based on knowledge of the off-site material.	☐ Yes ☐ No
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "No," go to Question VIII.O.17.*	☐ Yes ☐ No
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ Yes ☐ No
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ Yes ☐ No
17.	The application area includes containers that manage non-exempt off-site material.	☐ Yes ☐ No
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "No" or "N/A," go to Section VIII.Q.*	☐ Yes ☒ No ☐ N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐ Yes ☐ No
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐ Yes ☒ No
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "No," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "No," go to Section VIII.Z.*	☐ Yes ☒ No
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "Yes," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "Yes," go to Section VIII.Z.*	☐ Yes ☐ No
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "No," go to Question VIII.Q.6.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Q.	**Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)**	
♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "Yes," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "Yes," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "No," go to Question VIII.Q.9.*	☐ Yes ☐ No
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "No," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "No," go to Section VIII.Z.*	☐ Yes ☐ No
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐ Yes ☐ No
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐ Yes ☐ No
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**	
1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐ Yes ☒ No
2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐ Yes ☐ No
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**	
1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "No" or "N/A," go to Section VIII.T.*	☐ Yes ☒ No ☐ N/A
2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐ Yes ☐ No
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**	
1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐ Yes ☒ No ☐ N/A
U.	**Subpart PP - National Emission Standards for Containers**	
1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐ Yes ☒ No
2.	The application area includes containers using Container Level 1 controls.	☐ Yes ☐ No
3.	The application area includes containers using Container Level 2 controls.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
U.	**Subpart PP - National Emission Standards for Containers (continued)**	
4.	The application area includes containers using Container Level 3 controls.	☐ Yes ☐ No
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**	
1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐ Yes ☒ No
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐ Yes ☒ No
2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "No," go to Question VIII.W.20.*	☐ Yes ☒ No
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐ Yes ☐ No
4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐ Yes ☐ No
5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐ Yes ☐ No
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "No," go to Question VIII.W.8.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "No," go to Question VIII.W.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "No," go to Question VIII.W.15.*	☐ Yes ☐ No
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "No," go to Question VIII.W.20.*	☐ Yes ☐ No
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "No," go to Question VIII.W.20.*	☐ Yes ☐ No
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ Yes ☐ No
20.	The application area includes an ethylene production process unit.	☐ Yes ☒ No ☐ N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "No" or "N/A," go to Question VIII.W.54.*	☐ Yes ☒ No ☐ N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "No," go to Question VIII.W.54.*	☐ Yes ☐ No
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "No," go to Question VIII.W.25.*	☐ Yes ☐ No
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "No," go to Question VIII.W.54.*	☐ Yes ☐ No

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐ Yes ☐ No
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "No," go to Question VIII.W.33.*	☐ Yes ☐ No
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐ Yes ☐ No
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐ Yes ☐ No
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "No," go to Question VIII.W.36.*	☐ Yes ☐ No
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "Yes," go to Question VIII.W.36.*	☐ Yes ☐ No
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "Yes," go to Question VIII.W.43.*	☐ Yes ☐ No

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "No," go to Question VIII.W.40.*	☐ Yes ☐ No
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ Yes ☐ No
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ Yes ☐ No
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "No," go to Question VIII.W.54.*	☐ Yes ☐ No
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "No," go to Question VIII.W.47.*	☐ Yes ☐ No
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "Yes," go to Question VIII.W.47.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "No," go to Question VIII.W.54.*	☐ Yes ☐ No
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "Yes," go to Question VIII.W.54.*	☐ Yes ☐ No
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "No," go to Question VIII.W.51.*	☐ Yes ☐ No
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "No," go to Question VIII.W.54.*	☐ Yes ☐ No
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ Yes ☐ No

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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

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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

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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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐ Yes ☐ No
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ Yes ☐ No
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	☐ Yes ☒ No
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ Yes ☒ No
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ Yes ☒ No
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ Yes ☐ No
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "No," go to Section VIII.BB.*	☐ Yes ☒ No
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "No," go to Section VIII.BB.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**	
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "No," go to Question VIII.AA.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

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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)	
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

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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

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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

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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

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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

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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

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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 EEEE	

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

IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☒ Yes ☐ No
	X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**	
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐ Yes ☒ No ☐ N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ Yes ☒ NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ Yes ☒ No ☐ N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ Yes ☒ No ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ Yes ☒ No ☐ N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**		
	F.	**Subpart F - Recycling and Emissions Reduction**	
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☐ Yes ☒ No
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐ Yes ☒ No ☐ N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**	
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "No" or "N/A," go to Section X.H.*	☐ Yes ☒ No ☐ N/A
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐ Yes ☐ No ☐ N/A
	H.	**Subpart H -Halon Emissions Reduction**	
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☐ Yes ☒ No ☐ N/A
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐ Yes ☒ No ☐ N/A
XI.	**Miscellaneous**		
	A.	**Requirements Reference Tables (RRT) and Flowcharts**	
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒ Yes ☐ No

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

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.	
		40 CFR Part 63, Subpart EEEE and Part 60, Subpart DDDDD	
	C.	**Emission Limitation Certifications**	
♦	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☒ Yes ☐ No
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**	
	1.	The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐ Yes ☒ No
	2.	The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐ Yes ☒ No
	3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "Yes," please include a copy of the approval document with the application.*	☐ Yes ☒ No
	4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "Yes," please include a copy of the approval document with the application.*	☐ Yes ☒ No

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XI.	Miscellaneous (continued)	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ Yes ☒ No
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ Yes ☒ No
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ Yes ☒ No
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "No," go to Question XI.F.7.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐ Yes ☐ No
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐ Yes ☐ No
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐ Yes ☒ No

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XI.	**Miscellaneous (continued)**		
	G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
	1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "No," go to Question XI.G.6.*	☐ Yes ☒ No
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐ Yes ☐ No
	3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐ Yes ☐ No
	4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐ Yes ☐ No
	5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐ Yes ☐ No
	6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐ Yes ☒ No
	H.	**Permit Shield (SOP Applicants Only)**	
	1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ Yes ☐ No

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ Yes ☐ No
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ Yes ☐ No
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ Yes ☐ No
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ Yes ☐ No
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ Yes ☐ No
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "No," go to Question XI.J.3.*	☒ Yes ☐ No
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☒ Yes ☐ No ☐ N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☒ Yes ☐ No ☐ N/A

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For SOP applications, answer ALL questions unless otherwise directed.
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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

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For SOP applications, answer ALL questions unless otherwise directed.
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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

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

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XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits**	
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "No," go to Section XII.C. If the response to XII.B.1 is "Yes," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.*	☐ Yes ☒ No
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐ Yes ☐ No
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐ Yes ☐ No
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐ Yes ☐ No
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐ Yes ☐ No
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐ Yes ☐ No
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐ Yes ☐ No
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No

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XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "No," go to Question XII.B.15.*	☐ Yes ☐ No
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ Yes ☐ No
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ Yes ☐ No
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐ Yes ☒ No
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐ Yes ☒ No

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XII. NSR Authorizations (Attach additional sheets if necessary for sections 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

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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
2480A	06/24/2022				

♦ **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
106.183	09/04/2000	106.472	03/14/1997		
106.261	12/24/1998	106.473	09/04/2000		
106.261	11/01/2003	106.478	03/14/1997		
106.262	12/24/1998	106.511	03/14/1997		
106.262	11/01/2003				
106.263	11/01/2001				
106.264	03/14/1997				
106.412	03/14/1997				

♦ **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

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 37)
Federal Operating Permit Program
Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
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Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
GRPBLR	63DDDDD-1	EXIST	T3.3G1		

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

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Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
SD1	R5211-1	COMB	TO-1	NO		NO		
SD1	R5211-2	COMB	TO-1	NO		NO		
GRPLR	R5211-3	COMB	TO-1	NO	NO			
GRPLR	R5211-5	COMB	TO-1		NO			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
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Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPFIXED	R5112-094	NO		OIL1	B40K+			
GRPIFR	R5112-101	NO		OIL1	B40K+			
GRPIFR	R5112-069	NO		VOC1	A40K+			
T-148	R5112-101	NO		OIL1	B40K+			
T-148	R5112-069	NO		VOC1	A40K+			
DSLTNK#8	R5112-1000	NO		VOC1	A1K-			
FRAC-BH	R5112-1000	NO		VOC1	A1K-			
FRAC-HP	R5112-1000	NO		VOC1	A1K-			
T-148	R5112-094	NO		VOC1	A40K+			
T-148	R5112-095	NO		VOC1	A40K+			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 7)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

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.
GRPIFR	61Y-004	BENZ	10K+	YES			IFR2		
GRPIFR	61Y-021	BENZ	10K+	YES			IFR2		
T-148	61Y-004	BENZ	10K+	YES	No		IFR2		
T-148	61Y-021	BENZ	10K+	YES	No		IFR2		
DSLTNK#8	61Y-270	OTHER							
FRAC-BH	61Y-270	OTHER							
FRAC-HP	61Y-270	OTHER							

From: Emily Knodell
Sent: Friday, April 11, 2025 1:15 PM
To: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Sanam,

Thank you for providing the updates. I have submitted your case-by-case OP-MONS to our team's CAM/PM specialist for review. He is in the process of reviewing them and has requested that I ask you for the information as listed in item #1 below.

Please resolve by **04/21/2025.**

1. **Form OP-MON:** A lot of good data was provided, but we also need the periodic monitoring text on Form OP-MON. We need to know how CO concentration will be monitored in ppmv. We have a couple of periodic monitoring options that may be sufficient, and would also serve as a great example of what to provide in the periodic monitoring text for a case-by-case request. Periodic Monitoring Option PM-C-001 is for a portable analyzer and PM-C-002 is for a CEMS to measure the CO Concentration. If these options are not sufficient, you may still provide a case-by-case OP-MON but you will need to document in the Periodic Monitoring Text how you plan to monitor the CO Concentration.

   The periodic monitoring options can be found at the following link: periodicmon.pdf

Please let me know if you have any questions. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Sent: Wednesday, March 26, 2025 2:39 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily,

Please see attached the Form OP-MON for case-by-case periodic monitoring required tables and attachments. Also, as we discussed via telephone for the PBR registered 117645, the only evidence of this PBR we could find was a PBR that was cancelled in 2017 for a different RN#. Since KM has no record of this PBR's existence for this site, we have provided the OP-REQ1 p.89 form with the PBR stricken as requested.

Thanks,
Sanam

Ms. Sanam Anwar, M.S.
Air Permitting & Compliance Specialist II
Office: 713.920.8423
KINDER MORGAN
Delivering Energy to Improve Lives

Do The Right Thing Every Day!

From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Wednesday, March 19, 2025 10:00 AM
To: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

[This email message was received from the Internet and came from outside of Kinder Morgan.]

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Good afternoon Sanam,

Thank you for sending the revised forms. Please resolve the items below by **03/26/2025.**

1. **Form OP-MON:** Additional periodic monitoring is required to be documented in the permit for **GRPBLR**, Index No. R7301-1 for Main Standard §117.310(c)(1) for pollutant CO. Please submit Form OP-MON with the following periodic monitoring option (PM-C-001) or case-by-case periodic monitoring.

2. **Form OP-REQ1, Page 89:** For PBR 106.511 version date 09/04/2000, the PBR registration number is 117645. This PBR is currently in the database authorizing Unit ID E-GEN6 and I see that it is in the effective permit on the NSR Authorization References page so it might still need to be there. If so, please list PBR 106.511 version date 09/04/2000 in Form OP-REQ1, Page 89. If it needs to be removed, please send a revised Form OP-REQ1 with this PBR struck out.

Please let me know if you have any questions. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Sent: Wednesday, March 12, 2025 3:20 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Hi Emily,

See the updated forms attached. Regarding the PBR 106.511 with PBR version date 09/04/2000, we couldn't track this down. Do you have the PBR registration number available so we can investigate voiding it?

Thanks,
Sanam

Ms. Sanam Anwar, M.S.
Air Permitting & Compliance Specialist II
Office: 713.920.8423
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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, March 4, 2025 3:47 PM
To: Ochoa, Ashley <Ashley_Ochoa@kindermorgan.com>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; Anwar, Sanam <Sanam_Anwar@kindermorgan.com>

Form OP-REQ1 Revisions Summary - September 2024

This document summarizes the changes made to Form OP-REQ1 in September 2024.

I. Section VIII: Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories

- A. Subsection N: Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries
  1. Question 13: added new question regarding Group 1 gasoline loading racks.
- B. Subsection AA: Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes
  1. Questions 6-7: revised to clarify that these questions refer to existing sources.
  2. Questions 8-9: added new questions regarding process wastewater streams at new sources.
- C. Subsection CC: Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation
  1. Question 4: added new question regarding site remediation activities completed.
  2. Questions 10-13: added new questions regarding remediation material management unit.
  3. Questions 15-16: added new questions regarding containers.

II. Section XI: Miscellaneous

- A. Subsection C: Emission Limitation Certifications
  1. Question 1: revised instructions to include certifications submitted using STEERS.
- B. Subsection J: Title 30 TAC Chapter 101, Subchapter H
  1. Question 4: added response navigation instruction.
  2. Question 5: added new question regarding the Houston/Galveston/Brazoria nonattainment area and the facilities previously having a collective uncontrolled design capacity to emit 10 tpy or more of nitrogen oxides.
- C. Subsection K: Periodic Monitoring
  1. Question 1: added response navigation instruction.

III. General Form Changes:

- A. Typographical errors, grammatical errors, incorrect references, and incorrect hyperlinks were corrected.
- B. Questions were renumbered or moved to different pages due to the form updates.
- C. The form instructions and tables were separated out due to document issues and accessibility issues.

Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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Hi Ashley,

Thanks for letting me know.

Hello Dayu and Sanam,

Please let me know who the new primary technical contact for this project will be and provide the corresponding information below. From here, I will let APIRT know to update our database.

Technical Contact:
<Name>
<Title>
<Company>
<Address>
Phone: <Phone>
Email: <Email>

Thank you,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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

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From: Ochoa, Ashley <Ashley_Ochoa@kindermorgan.com>
Sent: Tuesday, March 4, 2025 3:22 PM
To: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Cc: Zhang, Dayu <Dayu_Zhang@kindermorgan.com>; Anwar, Sanam <Sanam_Anwar@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Emily,

I am no longer the contact for this permit application. Please send all future communications to Dayu and Sanam copied here.

Thanks,

Ashley Ochoa
Project Manager
Office: 832.900.5095
300 Beltway Green Blvd | Pasadena, TX 77503
KINDER MORGAN
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From: Emily Knodell <Emily.Knodell@tceq.texas.gov>
Sent: Tuesday, March 4, 2025 3:11 PM
To: Ochoa, Ashley <Ashley_Ochoa@kindermorgan.com>
Subject: RE: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

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

[This email message was received from the Internet and came from outside of Kinder Morgan.]

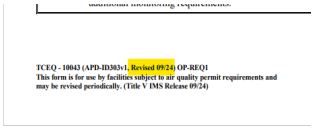
WARNING: EXTERNAL EMAIL: PROCEED WITH CAUTION.

Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good afternoon Ms. Ochoa,

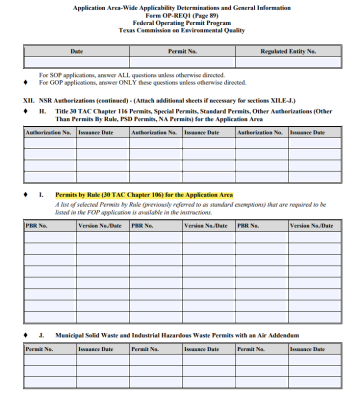
During technical review, the following items were found. Please resolve by **03/18/2025.**

1. **Form OP-REQ1:** TCEQ made several revisions to Form OP-REQ1 in September 2024. Due to these updates, some questions were renumbered or moved to different pages and additional questions were added. As a result, an updated version is now needed. Please submit an updated Form OP-REQ1 and ensure that the new version being submitted shows "Revised 09/24" in the bottom left hand corner of the page (as seen in image below). I have attached a document "Form OP-REQ1 Revisions Summary" which may be helpful as it details the changes that were made.



TCEQ - 10043 (APD-ID303v1, Revised 09/24) OP-REQ1
This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V IMS Release 09/24)

2. **Form OP-REQ1 (Page 88):** PBR 106.511 with PBR version date 09/04/2000 still shows as an active PBR in our database, but is not listed on Form OP-REQ1, Page 88 in the application. Is this still an active PBR? If so, please add it to the updated version of Form OP-REQ1 (PBRs now on page 89). If not, please indicate the deletion of this PBR using a strikethrough. This can be done using the strikethrough feature on MS Word.



Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

♦ 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.F-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

♦ **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

♦ **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

3. **Form OP-UA3**: Unit ID T-148
   - Regulation 30 TAC Ch 115, Storage of VOCs
     - Indexes R5112-094, R5112-095: Please provide unit attributes for these two index numbers on Table 4a.

- Regulation 40 CFR Part 61, OP-UA3 (Page 7, Table 6)
  - Indexes 61Y-004 & 61Y-021 require a *yes/no* answer for the *Alternative Means of Emission Limitation* column. Please submit an updated OP-UA3, Page 7.

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 7)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPIFR	61Y-004	BENZ	10K+	YES			IFR2		
GRPIFR	61Y-021	BENZ	10K+	YES			IFR2		
T-148	61Y-004	BENZ	10K+	YES	Yes/No		IFR2		
T-148	61Y-021	BENZ	10K+	YES	Yes/No		IFR2		
DSLTNK#8	61Y-270	OTHER							
FRAC-BH	61Y-270	OTHER							
FRAC-HP	61Y-270	OTHER							

"Alternate Means of Emission Limitation" column for Indexes 61Y-004 and 61Y-021 requires a "Yes/No" answer.

4. **Form OP-UA4 (Page 2, Table 1b):** For GRPLR, Index R5211-3, the *Vapor-Tight* column requires a *yes/no* answer. Please submit an updated Form OP-UA4 (Page 2, Table 1b).

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
SDI	R5211-1	COMB	TO-1	NO		NO		
SDI	R5211-2	COMB	TO-1	NO		NO		
GRPLR	R5211-3	COMB	TO-1	Yes/No?	NO			
GRPLR	R5211-5	COMB	TO-1		NO			

Please provide answer to "Vapor Tight" question.

5. **Form OP-UA6:** This form has been updated since the last renewal and now requires new answers. Please send an updated Form OP-UA6, ensuring it is the most recent version of the form. It should say "Revised 09/24" in the bottom left hand corner of the pages.
   - Affected Group ID, Index #, Regulation:
     - GRPBLR (Unit IDs B1 & B2), Index 63DDDDD-1, Regulation 40 CFR Part 63, Subpart DDDDD.

Please do not hesitate to reach out to me if you have any questions on these items. Thank you!

Best Regards,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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From: Emily Knodell
Sent: Friday, June 14, 2024 2:13 PM
To: ashley_ochoa@kindermorgan.com
Subject: Technical Review -- FOP O1070/Project 36676, KM Liquids Terminals LLC/Galena Park West Chemical Plant

Good afternoon Ms. Ochoa,

My name is Emily Knodell and I have been assigned to the Federal Operating Permit (FOP) *renewal* application of Permit No. **O1070** for *KM Liquids Terminals LLC/ Galena Park West Chemical Plant*. This application has been assigned Project No. **36676**. 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.

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.

I would appreciate a quick confirmation that this email has reached you.

Thank you for your cooperation.

Sincerely,

Emily L. Knodell
Permit Reviewer
TCEQ – APD – OP Section (Title V)
(512) 239-3107

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Miguel Gallegos

From: eNotice TCEQ
Sent: Monday, June 3, 2024 12:00 PM
To: carol.alvarado@senate.texas.gov; Jaime.Villarreal@senate.texas.gov; megan.maldonado@senate.texas.gov; Ana.hernandez@house.texas.gov
Subject: TCEQ Notice - Permit Number O1070
Attachments: TCEQ Notice - O1070_36676.pdf

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

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

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

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

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 3, 2024

THE HONORABLE CAROL ALVARADO
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36676
Permit Number: O1070
KM Liquids Terminals LLC
Galena Park West Chemical Plant
Galena Park, Harris County
Regulated Entity Number: RN102753670
Customer Reference Number: CN603254707

Dear Senator Alvarado:

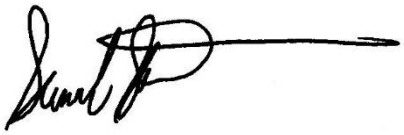
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.235555,29.726944&level=13.

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

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,



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

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 3, 2024

THE HONORABLE ANA HERNANDEZ
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36676
Permit Number: O1070
KM Liquids Terminals LLC
Galena Park West Chemical Plant
Galena Park, Harris County
Regulated Entity Number: RN102753670
Customer Reference Number: CN603254707

Dear Representative Hernandez:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.235555,29.726944&level=13.

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

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

Sincerely,

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

Texas Commission on Environmental Quality

Title V Existing

1070

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	GALENA PARK WEST CHEMICAL PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1500 CLINTON DR
City	GALENA PARK
State	TX
ZIP	77547
County	HARRIS
Latitude (N) (##.######)	29.726944
Longitude (W) (-###.######)	95.235555
Primary SIC Code	4226
Secondary SIC Code	
Primary NAICS Code	424710
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102753670
What is the name of the Regulated Entity (RE)?	GALENA PARK WEST CHEMICAL PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1500 CLINTON DR
City	GALENA PARK
State	TX
ZIP	77547
County	HARRIS
Latitude (N) (##.######)	29.731312
Longitude (W) (-###.######)	-95.234242
Facility NAICS Code	
What is the primary business of this entity?	BULK LIQUID STORAGE TERMINAL

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator

What is the applicant's Customer Number (CN)?	CN603254707
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	KM Liquids Terminals LLC
Texas SOS Filing Number	800838036
Federal Tax ID	760561780
State Franchise Tax ID	12604497227
State Sales Tax ID	
Local Tax ID	
DUNS Number	35123850
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	KM LIQUIDS TERMINALS LLC
Prefix	MR
First	BRAD
Middle	
Last	MILLER
Suffix	
Credentials	
Title	VP GULF AREA OPERATIONS
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	300 BELTWAY GREEN BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77503
Phone (###-###-####)	8329005012
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	brad_miller@kindermorgan.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	MARLIN COLLINS(KINDER MORGAN I...)
Organization Name	KINDER MORGAN INC
Prefix	MR
First	MARLIN
Middle	
Last	COLLINS
Suffix	
Credentials	
Title	GENERAL MANAGER
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	300 BELTWAY GREEN BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
Zip	77503
Phone (###-###-####)	3463525980
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	714723713

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	New Contact
Organization Name	KM Liquid Terminals LLC
Prefix	MS
First	Ashley
Middle	
Last	Ochoa
Suffix	
Credentials	
Title	Air Permitting and Compliance Specialist
Enter new address or copy one from list:	
Mailing Address	

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	300 BELTWAY GREEN BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77503
Phone (###-###-####)	8329005095
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Ashley_Ochoa@kindermorgan.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 43 Min 37 Sec
3) Permit Longitude Coordinate:	95 Deg 14 Min 8 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Renewal
4.1.1. Are there any permits that should be voided upon issuance of this permit application through permit conversion?	No
4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?	No
5) Who will electronically sign this Title V application?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)	
[File Properties]	
File Name	OP_1_KMLT - Galena Park West - OP-1 (2024-05-21).pdf
Hash	756FC39B3538C543D18CC0E911175D40925229BD15AA61F7C7E413D38E432D8E
MIME-Type	application/pdf

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

[File Properties]

File Name OP_2_KMLT - Galena Park West - OP-2 (2024-05-22) Part 1.pdf

Hash C45DE1393F71EE8967A78CBE69F8C872A489B7497B491020668A46B29DCC078A

MIME-Type application/pdf

[File Properties]

File Name OP_2_KMLT - Galena Park West - OP-2 (2024-05-22) Part 2.pdf

Hash 7ED4F4F707FFB43FFE23C5E89B7069646B100D42A8DA861E515D9F485BAF8600

MIME-Type application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name OP_ACPS_KMLT - Galena Park West - OP-ACPS (2024-05-03).pdf

Hash C54BF778A6E50ABB967AA67D36D913A6DC798F3C681F15139BB80793D0E0210E

MIME-Type application/pdf

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

[File Properties]

File Name OP_REQ1_KMLT - Galena Park West - OP-REQ1 (2024-05-21).pdf

Hash 0E1A50A584AB6C8F56FF9BAF66E2D7CD0A1AD3CA86859C7558C7A2B3F1201DAE

MIME-Type application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name OP_REQ2_KMLT - Galena Park West - OP-REQ2 (2024-05-13).pdf

Hash BDF6C5E8F86C2D35CA593A496FE6AA056029C82C1DFE8DEC9137753294E28ABC

MIME-Type application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name OP_PBRSUP_KMLT - Galena Park West - OP-PBRSUP (2024-05-21).pdf

Hash FC9AC79FBC3C664875837E55CFDB10298589605FAA104F6C2C568F0BF7F93891

MIME-Type application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name OP_SUMR_KMLT - Galena Park West - OP-SUMR (2024-05-22).pdf

Hash 4FE70FFA08A9BBF02A918783753FB14AC08ACFD02A53E5ED3025C5781F231AB1

MIME-Type application/pdf

Attach OP-MON (Monitoring Requirements)

[File Properties]

File Name OP_MON_KMLT - Galena Park West - OP-MON (2024-05-16).pdf

Hash 0705FEE2CF8DF6581AF2BFE2746CC5F65F61C0F4C1C60CC0C3B9A031E5956211

MIME-Type application/pdf

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name KMLT - Galena Park West - OP-UA12 (2024-05-22).pdf

Hash 043EB07FBF5410AC3114C35B3075D5A230B7EA4BF83A9DF536DB216320530689

MIME-Type application/pdf

[File Properties]

File Name KMLT - Galena Park West - OP-UA2 (2024-05-23).pdf

Hash 8D3B28EED852C214D0A5AC9F53850DFA724DB67F88B619366100281018712543

MIME-Type application/pdf

[File Properties]

File Name KMLT - Galena Park West - OP-UA3 (2024-05-16).pdf

Hash E0B6EE48E8343DDC6BCEF0A3BF4F7FA711DC8F0C4AB2003BD8D25545F19390D7

MIME-Type application/pdf

[File Properties]

File Name KMLT - Galena Park West - OP-UA4 (2024-05-22).pdf

Hash	605096837BA32AD26080B2602A20F6EDA85069BD449EFE5D8C454AFFD8BCB3C6
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.

[File Properties]	
File Name	Final 5-24-2024_R605379.0000-001.pdf
Hash	244CCB83E2A0449210DE0B6306966CCC9AF302CE81860C7B74C71AA7452BFE8A
MIME-Type	application/pdf
[File Properties]	
File Name	KMLT - Galena Park West - OP-CRO1 (2024-05-21).pdf
Hash	C7A67A9B297CA3E05A741A7E5DC03B1AF208A736E86217542FA90C6E7316B52A
MIME-Type	application/pdf

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

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No

Certification

I certify that I am the 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 Marlin Collins, the owner of the STEERS account ER070192.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement

and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.

5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 1070.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Marlin Collins OWNER OPERATOR

Account Number:	ER070192
Signature IP Address:	98.159.8.28
Signature Date:	2024-05-24
Signature Hash:	86C2E2DA600E8CF39CD611E373472A2CDD98BA2C46DA733C510B02830A12B404
Form Hash Code at time of Signature:	7CA24D65076A4E6493932421FB61B07456EF6CAD0DEC29BD3797D79D0621D810

Submission

Reference Number:	The application reference number is 656471
Submitted by:	The application was submitted by ER070192/Marlin Collins
Submitted Timestamp:	The application was submitted on 2024-05-24 at 08:57:30 CDT
Submitted From:	The application was submitted from IP address 98.159.8.28
Confirmation Number:	The confirmation number is 542097
Steers Version:	The STEERS version is 6.75
Permit Number:	The permit number is 1070

Additional Information

Application Creator: This account was created by Natasha Halageri

14701 St. Mary's Ln., Ste. 500
Houston, TX 77079
T 281.616.0100
TRCcompanies.com

May 24, 2024 *Submitted via STEERS*

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

Re: Title V Permit Renewal Application
Title V Permit Number O-1070
KM Liquids Terminals LLC
Galena Park West Chemical Plant
Galena Park, Harris County, Texas
Regulated Entity Number: RN102753670; Customer Reference Number: CN603254707

Dear Sir or Madam:

On behalf of KM Liquids Terminals LLC (KMLT), TRC Environmental Corporation (TRC) is submitting a renewal application for their Galena Park West Chemical Plant's Title V Operating Permit No. O-1070. Galena Park West Chemical Plant's Title V Permit expires on November 27, 2024, and pursuant to 30 TAC Chapter 122.133, a timely renewal application is being submitted by May 27, 2024.

Also, pursuant to §122.241, the completed application includes the following forms:

- OP-CRO1
- OP-1
- OP-ACPS
- OP-REQ1
- OP-PBRSUP
- OP-2
- OP-SUMR
- OP-UA2
- OP-UA3
- OP-UA4
- OP-UA12
- OP-REQ2
- OP-MON

With this renewal application, KMLT proposes to revise the grouping of storage tanks based on updated tank type, material stored, and applicable regulatory requirements. Additional details with regards to emission unit's grouping are provided on forms OP-2, OP-SUMR, OP-REQ2, and OP-UA3 forms. Periodic monitoring for the tanks is being revised based on the latest operating scenarios and updated groupings.

It is requested within this application to remove the flare and carbon adsorption system (CAS) as control options, as well as the periodic monitoring for those control devices, as they are no longer present at the site. KMLT is requesting that the LDAR requirements under 30 Texas Administrative Code (TAC) 115.354 for fugitive emissions be removed, as this site is not a petroleum refinery, natural gas processing plant, or a petrochemical processing plant. In addition, KMLT seeks to delete a boiler, loading station 18, and several tanks, as well as add a diesel tank, two frac tanks, four diesel-fired emergency engines, and maintenance, startup, and shutdown emissions.

Please note this renewal application addresses only the emission units which are being added, updated, or deleted, or units with changes in regard to rule applicability or those units whose UA forms have been updated since the last Title V permit revision and/or renewal. Emission units that are not included in this renewal application should remain as they are represented in KMLT's current Title V Permit.

If you require any additional information or have questions, please contact Ms. Ashley Ochoa at 832-900-5905 or ashley_ochoa@kindermorgan.com.

Sincerely,
TRC Environmental Corporation



Alan Ideris
Office Practice Leader, AMS Consulting

Attachments

cc: U.S. Environmental Protection Agency, Air Permits Section (6PD-R), Region 6 (STEERS)
Air Manager, TCEQ - Region 12 (STEERS)
Director, Harris County Pollution Control Services Department (STEERS)
Mr. Zhang Dayu, Environmental Manager, KMLT – Galena Park (Electronic Copy)
Ms. Ashley Ochoa, Air Permitting and Compliance Specialist SR I, KMLT – Galena Park (Electronic Copy)

Standard Operating Permit Renewal Application

Galena Park West Chemical Plant

Harris County, Texas

May 2024

Prepared For
KM Liquids Terminals LLC

14701 St. Mary's Lane, Suite 500, Houston, Texas 77079 ● 281.616.0100 Phone ● www.TRCCompanies.com

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Figure 1-3 Process Flow Diagram....1-7

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Appendix A Title V Application Forms

Section 1
Introduction

1.1 Project Overview

KM Liquids Terminals LLC (KMLT) owns and operates the Galena Park West Chemical Plant in Harris County, Texas. The site is currently authorized under New Source Review Permit No. 2480A and several Permit-by-Rules. The site is a bulk liquid chemicals storage terminal that receives, stores, blends, and transfers petroleum products, specialty chemicals and segregated chemicals owned by numerous external customers. The site consists of various storage tanks and their associated piping, truck loading racks, railcar loading racks, marine dock, drumming facilities, support facilities, and control equipment.

The site is located in a severe ozone non-attainment area and has a site-wide potential to emit (PTE) of volatile organic compounds (VOCs) and nitrogen oxides (NOx) that exceeds the 25 ton per year per pollutant major source threshold. The site is also a major source of hazardous air pollutants (HAPs) emissions, as it exceeds the 25 ton per year major source threshold. Therefore, this site is subject to 30 TAC Chapter 122, Federal Operating Permits Program. The operations at this site are currently authorized via Standard Operating Permit No. O-1070. Galena Park West Chemical Plant's SOP expires on November 27, 2024, and pursuant to 30 TAC Chapter 122.133, a timely renewal application should be submitted by May 27, 2024.

Along with the renewal, KMLT is requesting the following revisions be made to the Title V permit:

- Deletion of Boiler 3 (EPN B3) and tanks 21, 22, 23, 24, and 26 (EPNs T-021, T-022, T-023, T-024, and T-026), fuel storage tanks (EPNs T-DIESEL and T-GAS) as these emission sources are no longer operational.
- Deletion of emission sources associated the 2011 Expansion Project, which was not constructed. These sources include tanks 239 through 248 (EPNs T-239 through T-248), loading station 18 (EPN: L-18), and fugitives (EPN: FUG).
- Addition of a diesel tank (EPN DSLTNK#8), two frac tanks (EPNs FRAC-BH and FRAC-HP), four emergency-use engines (EPNs GEN-GPWC3, GEN-GPWC4, GEN-GPWC5, and ENG-4), and Maintenance, Startup, and Shutdown emissions (EPN 263MSS) to the permit.
- Removal of Unit IDs: T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, and T-

238 from Group ID: GRPPREK2 and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia, and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.

- Removal of Unit IDs: T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, and T-220 from Group ID: GRPKB and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia, and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 60 Subpart Kb, 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.
- Removal of Unit IDs: T-151, T-152, T-153, T-154, and T-155 from Group ID: GRPK and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 60 Subpart K, 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.
- Removal of Unit ID: T-212 from Group ID: GRPKB2 and addition of this tank to Group ID: GRPFIXED. This tank only store materials with a vapor pressure less than 0.5 psia, and is operating as an uncontrolled fixed roof tank. The internal floating roof on this tank is not fully functional, and emissions are not controlled using a flare or carbon adsorption system. This tank is no longer subject 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.
- Removal of Unit ID: T-148 from GRP: GRPPREK2. Based on tank parameters and regulatory requirements, T-148 is included as a separate emission unit. The permit should be updated to show that this tank complies with regulatory requirements by use of an internal floating roof.
- Removal of Unit IDs: T-199 and T-202 from Group ID: GRPKB and addition of these tanks to Group ID: GRPIFR. The permit should be updated to show that these tanks comply with regulatory requirements by use of an internal floating roof.
- Removal of Unit IDs: T-210 and T-211 from Group ID: GRPKB2 and addition of these tanks to Group ID: GRPIFR. The permit should be updated to show that these tanks comply with regulatory requirements by use of an internal floating roof.

- Removal of periodic monitoring requirements for Group ID: GRPK requiring the monitoring and recording the presence of a pilot flame, as these tanks are not equipped with a control device.
- Removal of periodic monitoring requirements for Group IDs: GRPK, GRPKB, GRPKB2, and GRPPREK2 requiring that fugitive emissions from a vapor collection system be monitored using Method 21, as these tanks are not equipped with a vapor collection system.
- Removal of periodic monitoring requirements for Group IDs: GRPK, GRPKB, GRPKB2, and GRPPREK2 requiring the requiring the visual inspection of a vapor collection system, as these tanks are not equipped with a vapor collection system.
- Removal of fugitive monitoring requirements associated with 30 TAC 115.354 for Group ID: GRPFUG as the site is not a petroleum refinery, natural gas processing plant, or a petrochemical processing plant.
- Revise regulatory compliance for Unit ID: SD1 (loading operations) to remove the options to meet the requirements using a control flare or carbon adsorption system.

1.2 Site Location

The Galena Park West Chemical Plant is located at 1500 Clinton Drive in Galena Park, Harris County, Texas. The distance to the nearest property line and receptor is greater than 200 feet.

- Latitude / Longitude: 29.72699, -95.2357

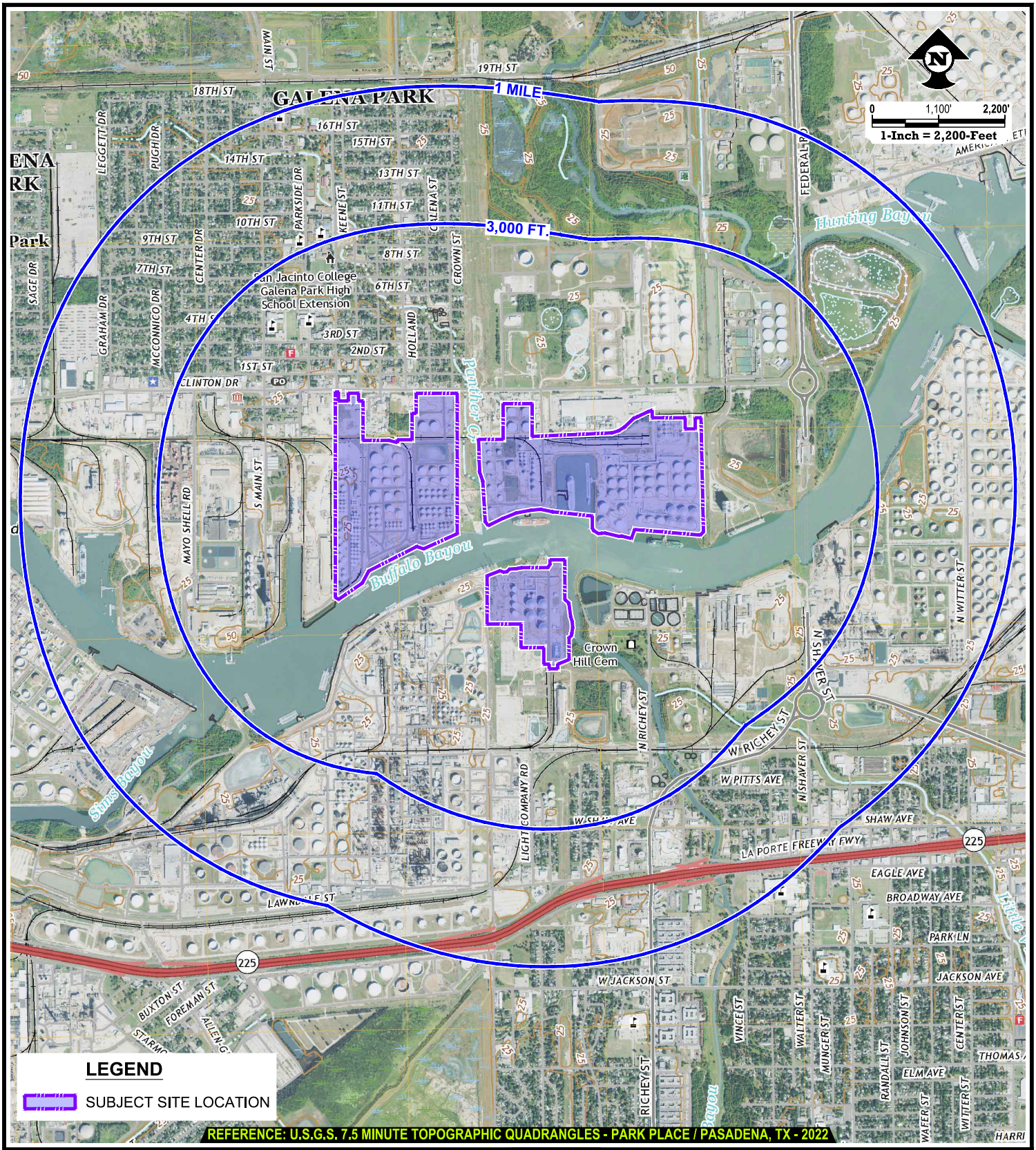
An area map is included as Figure 1-1. The map contains a true north arrow, an accurate scale, the entire terminal property, and the location of the property relative to prominent geographical features such as highways, roads, streams, and significant landmarks. The area map also identifies the locations of nearby schools. Figure 1-1 also includes a 3,000-foot radius circle and a one-mile radius circle from the plant boundary.

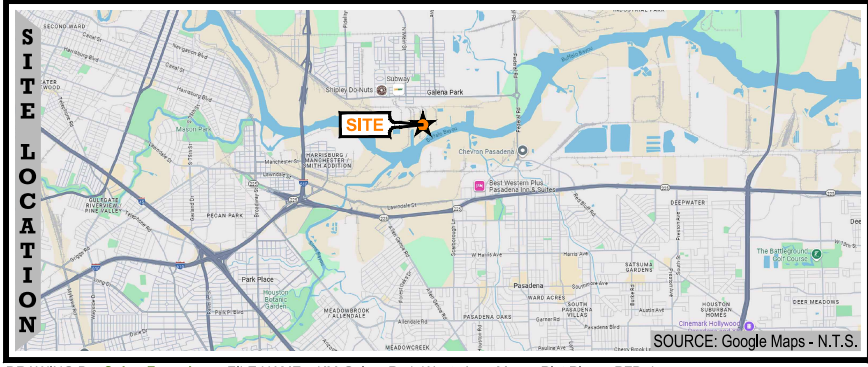
1.3 Process Description

The KMLT West Chemical Plant is a petroleum and chemical product storage facility that leases storage tanks to third party customers. The facility consists of storage vessels, loading racks, a marine terminal, drumming facilities, two boilers, and associated control devices and support facilities. A simplified process flow diagram is included as Figure 1-3. The storage tanks are used to receive products which are transferred in and out of the terminal tankage via pipeline, marine vessel, railcar, and tank truck depending on market conditions. Product is transferred to and from the terminal tanks via pumps located both offsite (i.e., pipeline pumps, etc.) and onsite (i.e., docks, racks, storage tanks, etc.).

The marine docks, tank truck/rail car racks, and drumming facilities are used to transfer approved products to and from the terminal storage tanks. Each marine dock and tank

truck/railcar loading rack consists of multiple loading arms and vapor recovery and control equipment for control of products with vapor pressures greater than 0.5 psia. Product is transferred to and from the marine docks and tank truck/railcar racks via pumps located throughout the terminal (i.e., docks, racks, storage tanks, etc.).





SITE LOCATION

CLIENT / PROJECT

KM LIQUIDS TERMINALS LLC
Galena Park West Chemical Plant
1500 Clinton Drive, Galena Park, TX 77547

TITLE

AREA MAP

DRAWN BY: O. Fonseka	REQUEST BY: S. McKay	PROJECT NO. 605379
DWG. DATE: May 2024	PROJECT-MGR: S. McKay	

TRC
14701 ST. MARY'S LANE, STE. 500
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

FIGURE **1-1**

LAST EDIT: 05/08/2024 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\PPL-Files\KINDER MORGAN\Galena Park Terminal\WEST Chemical Plant\ KM-GalenaPark-West- Area Map-n-Plot Plan-n-PFD.dwg

DRAWING By: **Oskar Fonseka** - FILE NAME: KM-GalenaPark-West- Area Map-n-Plot Plan-n-PFD.dwg

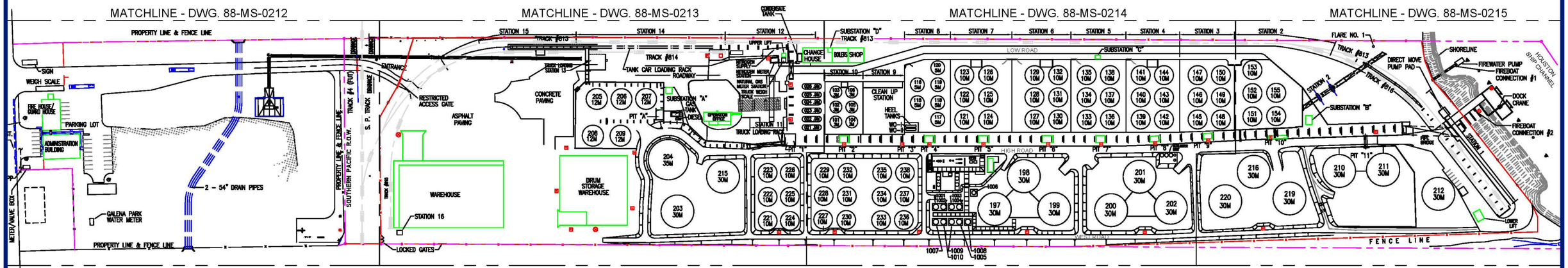
PREVAILING WIND AVERAGE MEAN SPEED 7.7 MPH

MATCHLINE - DWG. 88-MS-0212

MATCHLINE - DWG. 88-MS-0213

MATCHLINE - DWG. 88-MS-0214

MATCHLINE - DWG. 88-MS-0215



LEGEND

- FUTURE TANKAGE
- FIRE HYDRANT/MONITOR
- FIRE HYDRANT OR FIRE MONITOR

0 50 100 200 300 400 500

SOURCE: KINDER MORGAN / GALENA PARK TERMINAL-WEST PLANT / OVERALL SITE PLAN / 03-12-2015

CLIENT / PROJECT

KM LIQUIDS TERMINALS LLC
Galena Park West Chemical Plant
1500 Clinton Drive, Galena Park, TX 77547

TITLE

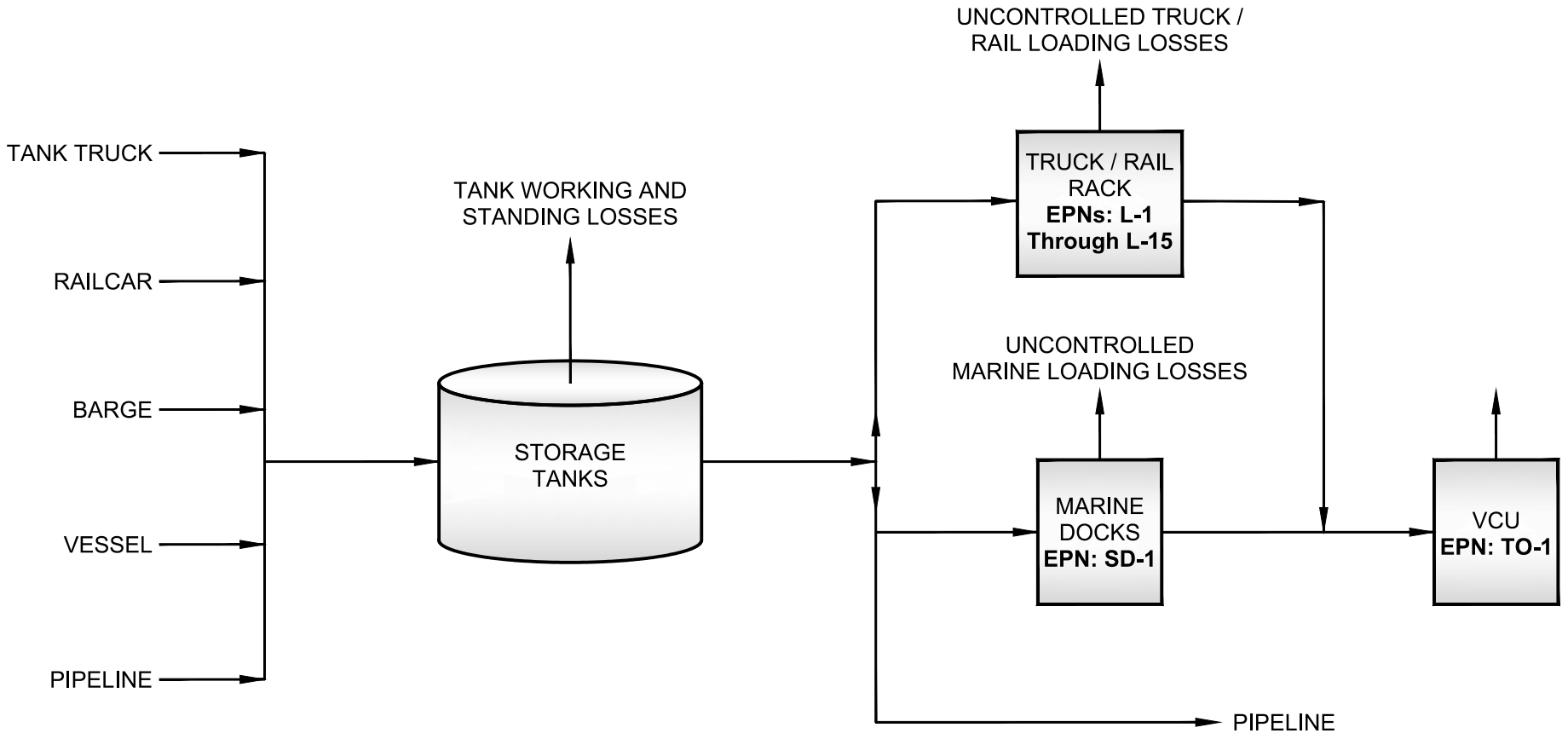
PLOT PLAN

DRAWN BY: **O. Fonseka**	REQUEST BY: **S. McKay**	PROJECT NO. **605379**
DWG. DATE: **May 2024**	PROJECT-MGR: **S. McKay**	FIGURE **1-2**

TRC
14701 ST. MARY'S LANE, STE. 500
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

LAST EDIT: 05/08/2024 - FILE LOCATION: HOU C:\OF-TRC\DRAFTING-CDrive\PPL-Files\KINDER MORGAN\Galena Park Terminal\WEST Chemical Plant\ KM-GalenaPark-West- Area Map-n-Plot Plan-n-PFD.dwg

DRAWING By: **Oskar Fonseka** - FILE NAME: KM-GalenaPark-West- Area Map-n-Plot Plan-n-PFD.dwg



CLIENT / PROJECT

KM LIQUIDS TERMINALS LLC
Galena Park West Chemical Plant
1500 Clinton Drive, Galena Park, TX 77547

TITLE

PROCESS FLOW DIAGRAM

DRAWN BY: **O. Fonseka**	REQUEST BY: **S. McKay**	PROJECT NO. **605379**
DWG. DATE: **May 2024**	PROJECT-MGR: **N. Halageri**	

TRC
14701 ST. MARY'S LANE, STE. 500
HOUSTON, TEXAS 77079
PHONE: 281-616-0100
TRCcompanies.com

FIGURE **1-3**

Appendix A
Title V Application Forms

- Form OP-CRO1
- Form OP-1
- Form OP-ACPS
- Form OP-REQ1
- Form OP-PBRSUP
- Form OP-2
- Form OP-SUMR
- Form OP-UA2
- Form OP-UA3
- Form OP-UA4
- Form OP-UA12
- Form OP-REQ2
- Form OP-MON

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

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

I. Identifying Information		
RN: **RN102753670**	CN: **CN603254707**	Account No.: **HG-0542-V**
Permit No.: **O-1070**	Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	Company Name: **KM Liquids Terminals LLC**	

II. Certification Type *(Please mark the appropriate box)*

☐ Responsible Official ☒ **Duly Authorized Representative**

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ **Permit Revision, Renewal, or Reopening**

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, **Marlin Collins** 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: **5/24/2024** _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: _____ Signature Date: _____

Title: **General Manager**

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

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I.	**Company Identifying Information**
A.	Company Name: **KM Liquids Terminals LLC**
B.	Customer Reference Number (CN): **CN603254707**
C.	Submittal Date *(mm/dd/yyyy):* ***05/24/2024***
II.	**Site Information**
A.	Site Name: **Galena Park West Chemical Plant**
B.	Regulated Entity Reference Number (RN): **RN102753670**
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
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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: **Brad Miller**		
RO Title: **Vice President of Terminals**		
Employer Name: **KM Liquid Terminals LLC**		
Mailing Address: **300 Beltway Green Blvd.**		
City: **Pasadena**		
State: **Texas**		
ZIP Code: **77503**		
Territory:		
Country:		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: **(832) 900-5012**		
Fax No.:		
Email: **brad_miller@kindermorgan.com**		

Federal Operating Permit Program
Site Information Summary
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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: **Ashley Ochoa**	
Technical Contact Title: **Air Permitting and Compliance Specialist**	
Employer Name: **KM Liquid Terminals LLC**	
Mailing Address: **300 Beltway Green Blvd.**	
City: **Pasadena**	
State: **Texas**	
ZIP Code: **77503**	
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: **(832) 900-5095**	
Fax No.:	
Email: **Ashley_Ochoa@kindermorgan.com**	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: **Carol Alvarado, District 6**	
B. State Representative: **Ana Hernadez, District 143**	
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
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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: **Galena Park West Chemical Plant**
B.	Physical Address: **1500 Clinton Drive**
City: **Galena Park**	
State: **Texas**	
ZIP Code: **77547**	
C.	Physical Location: **1500 Clinton Drive, Galena Park, TX 77547**
D.	Nearest City: **Galena Park**
E.	State: **Texas**
F.	ZIP Code: **77547**

Federal Operating Permit Program
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X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): **29.726944**
H.	Longitude (nearest second): **-95.235556**
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: **127**
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ **NO**
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: **Galena Park Library**
B.	Physical Address: **1500 Keene Street**
City: **Galena Park**	
ZIP Code: **77547**	
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: **Ashley Ochoa**	
Contact Mailing Address: **300 Beltway Green Blvd.**	
City: **Pasadena**	
State: **TX**	
ZIP Code: **77503**	
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: **(832) 900-5095**	

Federal Operating Permit Program
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XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the 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:

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
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 05/24/2024	**Regulated Entity No.: RN102753670**	**Permit No.: O-1070**
Company Name: KM Liquids Terminals LLC		**Area Name: Galena Park West Chemical Plant**

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

Part 1

A.	**Compliance Plan — Future Activity Committal Statement**	
The *Responsible Official* commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.		
B.	**Compliance Certification - Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)**	
1.	With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ **YES** ☐ NO
2.	Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ **NO**
3.	If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)*	
*	*For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.* *For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.* *Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.*	

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

Date:	**05/24/2024**
Permit No.:	**O-1070**
RN No.:	**RN102753670**

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

Form OP-REQ1: Page 1

I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter

A. Visible Emissions

♦	1.	The application area includes stationary vents constructed on or before January 31, 1972.	☐YES ☒**NO**
♦	2.	The application area includes stationary vents constructed after January 31, 1972. *If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.* *If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.*	☒**YES** ☐NO
♦	3.	The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	☐YES ☐NO
♦	4.	All stationary vents are addressed on a unit specific basis.	☐YES ☒**NO**
♦	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☐YES ☒**NO**
♦	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☐YES ☒**NO**
♦	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☐YES ☒**NO**
♦	8.	Emissions from units in the application area include contributions from uncombined water.	☐YES ☒**NO**
♦	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐YES ☒**NO** ☐N/A

Texas Commission on Environmental Quality
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Date:	**05/24/2024**
Permit No.:	**O-1070**
RN No.:	**RN102753670**

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Form OP-REQ1: Page 2				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	B.	**Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots**		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.		
♦		a.	The application area is located within the City of El Paso.	☐YES ☒**NO**
♦		b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.	☐YES ☒**NO**
♦		c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.	☒**YES** ☐NO
♦		d.	The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.	☐YES ☒**NO**
		If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.		
	2.	Items a - d determine the specific applicability of these requirements.		
♦		a.	The application area is subject to 30 TAC § 111.143.	☒**YES** ☐NO
♦		b.	The application area is subject to 30 TAC § 111.145.	☒**YES** ☐NO
♦		c.	The application area is subject to 30 TAC § 111.147.	☒**YES** ☐NO
♦		d.	The application area is subject to 30 TAC § 111.149.	☒**YES** ☐NO
	C.	**Emissions Limits on Nonagricultural Processes**		
♦	1.	The application area includes a nonagricultural process subject to 30 TAC § 111.151.		☒**YES** ☐NO
	2.	The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. *If the response to Question I.C.2 is "NO," go to Question I.C.4.*		☐YES ☒**NO**
	3.	All vents from nonagricultural process in the application area are subject to additional monitoring requirements.		☐YES ☐NO

Texas Commission on Environmental Quality
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Date:	**05/24/2024**
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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 3			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	C.	**Emissions Limits on Nonagricultural Processes (continued)**	
	4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☐YES ☒**NO**
	5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.5 is "NO," go to Question I.C.7.*	☐YES ☒**NO**
	6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐YES ☒**NO**
	8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.8 is "NO," go to Section I.D.*	☐YES ☒**NO**
	9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	D.	**Emissions Limits on Agricultural Processes**	
	1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	☐YES ☒**NO**
	E.	**Outdoor Burning**	
♦	1.	Outdoor burning is conducted in the applicationL area. *If the response to Question I.E.1 is "NO," go to Section II.*	☐YES ☒**NO**
♦	2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☐YES ☐NO
♦	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☐YES ☐NO
♦	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐YES ☐NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
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Date:	**05/24/2024**
Permit No.:	**O-1070**
RN No.:	**RN102753670**

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

Form OP-REQ1: Page 4			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	E.	**Outdoor Burning (continued)**	
♦	5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☐YES ☐NO
♦	6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐YES ☐NO
♦	7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐YES ☐NO
II.	**Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds**		
	A.	**Temporary Fuel Shortage Plan Requirements**	
	1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☐YES ☒**NO**
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.*	☒**YES** ☐NO
	B.	**Storage of Volatile Organic Compounds**	
♦	1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☒**YES** ☐NO

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

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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:	**05/24/2024**
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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	D.	**Loading and Unloading of VOCs (continued)**	
♦	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	☐YES ☒**NO**
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO," go to Section III.F.*	☐YES ☒**NO**
♦	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐YES ☐NO
♦	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.*	☐YES ☐NO
♦	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO," go to Question III.E.9.*	☐YES ☐NO
♦	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☐YES ☐NO
♦	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐YES ☐NO
♦	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. *If the response to Question III.E.7 is "YES," go to Section III.F.*	☐YES ☐NO

Date:	**05/24/2024**
Permit No.:	**O-1070**
RN No.:	**RN102753670**

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

Form OP-REQ1: Page 7			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**	
♦	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.*	☐YES ☐NO
♦	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	10.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	11.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☐YES ☐NO
♦	12.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐YES ☐NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
♦	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A

Date:	**05/24/2024**
Permit No.:	**O-1070**
RN No.:	**RN102753670**

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

Form OP-REQ1: Page 8			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**	
♦	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐YES ☐NO ☐N/A
♦	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.*	☐YES ☒**NO** ☐N/A
♦	2.	The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☐YES ☐NO
♦	3.	The application area includes facilities that began construction prior to November 15, 1992. *If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.*	☐YES ☐NO
♦	4.	The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☐YES ☐NO
♦	5.	The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.*	☐YES ☐NO ☐N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐YES ☐NO
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐YES ☐NO
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐YES ☐NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐YES ☒**NO**
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☐YES ☒**NO** ☐N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐YES ☒**NO** ☐N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐YES ☒**NO**
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "NO," go to Section III.L.*	☐YES ☒**NO**
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐YES ☐NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐YES ☐NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐YES ☐NO
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.*	☒**YES** ☐NO ☐N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "YES," go to Section III.M.*	☐YES ☒**NO** ☐N/A

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Form OP-REQ1: Page 11			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**	
♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒**YES** ☐NO ☐N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒**YES** ☐NO ☐N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☒**NO**
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☒**NO** ☐N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐YES ☒**NO** ☐N/A
	M.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐YES ☒**NO** ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	N.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**	
	1.	The application area includes one or more vent gas streams containing HRVOC.	☐YES ☒**NO** ☐N/A
	2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.*	☐YES ☒**NO** ☐N/A
	3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐YES ☐NO
	4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.*	☐YES ☐NO
	5.	The application area contains pressure relief valves that are not controlled by a flare.	☐YES ☐NO
	6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☐YES ☐NO
	7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐YES ☐NO
	O.	**Cooling Tower Heat Exchange Systems (HRVOC)**	
	1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐YES ☒**NO** ☐N/A

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Form OP-REQ1: Page 13			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.*	☒**YES** ☐NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES," go to Question IV.H.1.*	☐YES ☒**NO**
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "YES," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.*	☐YES ☒**NO**
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "NO," go to Question IV.C.1.*	☐YES ☒**NO**
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐YES ☐NO

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Form OP-REQ1: Page 14			
IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.*	☒**YES** ☐NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☒**YES** ☐NO ☐N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐YES ☒**NO**
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐YES ☒**NO** ☐N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐YES ☒**NO** ☐N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.*	☐YES ☒**NO**
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐YES ☐NO
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐YES ☐NO
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐YES ☐NO
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.*	☐YES ☐NO
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐YES ☐NO
	8.	An ACSS for ammonia (NH_3) has been approved?	☐YES ☐NO
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.*	☐YES ☒**NO**
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐YES ☐NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.*	☐YES ☒**NO**
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐YES ☐NO

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Form OP-REQ1: Page 16		
V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**	
A.	**Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐YES ☒**NO**
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.*	☐YES ☒**NO**
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐YES ☐NO
B.	**Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**	
1.	The application area manufactures consumer products for sale or distribution in the United States.	☐YES ☒**NO**
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐YES ☒**NO**
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.*	☐YES ☒**NO**
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐YES ☐NO

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Form OP-REQ1: Page 17			
V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐YES ☒**NO**
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.*	☐YES ☒**NO**
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐YES ☐NO
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐YES ☒**NO**
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐YES ☒**NO**
	E.	**Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "NO," go to Section VI.*	☐YES ☒**NO**
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐YES ☐NO
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO," go to Section VII.*	☒**YES** ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO," go to Section VI.C.*	☐YES ☒**NO**
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO," go to Section VI.C.*	☐YES ☐NO
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "YES," go to Section VI.C.*	☐YES ☐NO
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "NO," go to Section VI.C.*	☐YES ☐NO
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐YES ☐NO
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.*	☐YES ☐NO ☐N/A
♦	2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 is "NO," go to Section VI.D.*	☐YES ☐NO
♦	3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐YES ☐NO
♦	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐YES ☐NO
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO," go to Section VI.E.*	☒**YES** ☐NO ☐N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐YES ☒**NO**
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.*	☐YES ☒**NO**
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.*	☐YES ☐NO
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.*	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.*	☐YES ☐NO
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO," go to Section VI.G.*	☐YES ☒**NO**
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐YES ☐NO
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO," go to Section VI.H.*	☐YES ☒**NO**
	2.	The application area includes storm water sewer systems.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)**	
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐YES ☐NO
	4.	The application area includes non-contact cooling water systems.	☐YES ☐NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO," go to Section VI.H.*	☐YES ☐NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐YES ☐NO
	7.	The application area includes completely closed drain systems.	☐YES ☐NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
♦	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.*	☐YES ☒**NO** ☐N/A
♦	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.H.4 is "NO," go to Section VI.I.*	☐YES ☒**NO**

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)**	
♦	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5 is "NO," go to Question VI.H.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**	
♦	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.*	☐YES ☒**NO** ☐N/A
♦	2.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)**	
♦	3.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4 is "NO," go to Section VI.J.*	☐YES ☒**NO**
♦	5.	The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5 is "NO," go to VI.I.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006

♦	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.*	☐YES ☒**NO** ☐N/A
♦	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4 is "NO," go to Section VI.K.*	☐YES ☒**NO**
♦	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5 is "NO," go to Question VI.J.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)**			
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)**		
♦	8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
♦	9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐YES	☐NO
♦	10.	The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
	K.	**Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution**		
♦	1.	The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	☐YES	☒**NO**
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants**			
	A.	**Applicability**		
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.*	☒**YES**	☐NO ☐N/A
	B.	**Subpart F - National Emission Standard for Vinyl Chloride**		
	1.	The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	☐YES	☒**NO**
	C.	**Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (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

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants		
1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO," go to Section VII.E.*	☐YES ☒**NO**
2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐YES ☐NO
3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐YES ☐NO
E. Subpart M - National Emission Standard for Asbestos		
Applicability		
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "NO," go to Section VII.F.*	☐YES ☒**NO**
Roadway Construction		
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐YES ☐NO
Manufacturing Commercial Asbestos		
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO," go to Question VII.E.4.*	☐YES ☐NO
a.	Visible emissions are discharged to outside air from the manufacturing operation	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐YES ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)			
E. Subpart M - National Emission Standard for Asbestos (continued)			
***Manufacturing Commercial Asbestos* (continued)**			
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
	f.	A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐YES ☐NO
	g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Asbestos Spray Application			
4.		The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO," go to Question VII.E.5.*	☐YES ☐NO
	a.	Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.*	☐YES ☐NO
	b.	Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐YES ☐NO
	c.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 28			
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)			
E. Subpart M - National Emission Standard for Asbestos (continued)			
***Asbestos Spray Application* (continued)**			
	d.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	e.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	f.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
	g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
	h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Fabricating Commercial Asbestos			
5.		The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.*	☐YES ☐NO
	a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐YES ☐NO
	b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 29			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
		***Fabricating Commercial Asbestos* (continued)**	
		f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
		g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
		Non-sprayed Asbestos Insulation	
		6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐YES ☐NO
		Asbestos Conversion	
		7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐YES ☐NO
	F.	**Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**	
		1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐YES ☒**NO**
	G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**	
		1. The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "NO," go to Section VII.H.*	☒**YES** ☐NO
		2. The application area includes benzene transfer operations at marine vessel loading racks.	☒**YES** ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)**	
3.	The application area includes benzene transfer operations at railcar loading racks.	☒**YES** ☐NO
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☒**YES** ☐NO
H.	**Subpart FF - National Emission Standard for Benzene Waste Operations**	
	Applicability	
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐YES ☒**NO**
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.*	☐YES ☒**NO**
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES," go to Section VIII.*	☐YES ☐NO
4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "YES," go to Section VIII*	☐YES ☐NO
5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES," go to Section VIII.*	☐YES ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
***Applicability* (continued)**		
6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☐YES ☐NO
7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐YES ☐NO
Waste Stream Exemptions		
8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐YES ☐NO
9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐YES ☐NO
10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐YES ☐NO
11.	The application area transfers waste off-site for treatment by another facility.	☐YES ☐NO
12.	The application area is complying with 40 CFR § 61.342(d).	☐YES ☐NO
13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "NO," go to Question VII.H.15.*	☐YES ☐NO
14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐YES ☐NO

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Form OP-REQ1: Page 32		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO," go to Question VII.H.18.*	☐YES ☐NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES," go to Question VII.H.18.*	☐YES ☐NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO," go to Question VII.H.25.*	☐YES ☐NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES," go to Question VII.H.25.*	☐YES ☐NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO," go to Question VII.H.22.*	☐YES ☐NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO," go to Question VII.H.25.*	☐YES ☐NO
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	☐YES ☐NO
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒**YES** ☐NO
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "NO," go to Section VIII.D.*	☒**YES** ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)		
2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "NO," go to Section VIII.D.*	☐YES ☒**NO**
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.*	☐YES ☐NO

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Form OP-REQ1: Page 35		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater		
Applicability		
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO," go to Section VIII.D.*	☐YES ☐NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐YES ☐NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐YES ☐NO
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
Vapor Collection and Closed Vent Systems		
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐YES ☐NO
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Reloading or Cleaning of Railcars, Tank Trucks, or Barges		
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*	☐YES ☐NO
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐YES ☐NO
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐YES ☐NO
Transfer Racks		
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐YES ☐NO
Process Wastewater Streams		
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.*	☐YES ☐NO
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐YES ☐NO
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.*	☐YES ☐NO

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Form OP-REQ1: Page 37		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐YES ☐NO
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.*	☐YES ☐NO
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐YES ☐NO
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐YES ☐NO
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐YES ☐NO
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐YES ☐NO
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐YES ☐NO
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐YES ☐NO

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Form OP-REQ1: Page 38		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.*	☐YES ☐NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.*	☐YES ☐NO
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.*	☐YES ☐NO
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO

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Form OP-REQ1: Page 39		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Drains		
31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐YES ☐NO

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Form OP-REQ1: Page 40		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C.	**Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)**	
	***Drains* (continued)**	
37.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
38.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
	Gas Streams	
39.	The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐YES ☐NO
40.	The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐YES ☐NO
D.	**Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**	
1.	The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐YES ☒**NO**

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
E.	**Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities**	
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "NO," go to Section VIII.F.*	☐YES ☒**NO**
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO," go to Section VIII.F.*	☐YES ☐NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO," go to Section VIII.G.*	☐YES ☒**NO**
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐YES ☐NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☒**YES** ☐NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.*	☐YES ☒**NO**
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.*	☒**YES** ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)		
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.*	☐YES ☐NO
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.7 is "YES," go to Section VIII.H.*	☐YES ☐NO
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.8 is "YES," go to Section VIII.H.*	☐YES ☐NO
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.*	☐YES ☐NO
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.10 is "NO," go to Section VIII.H.*	☒**YES** ☐NO
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐YES ☒**NO**

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry		
1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO," go to Section VIII.I.*	☐YES ☒**NO**
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO," go to Section VIII.I.*	☐YES ☐NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO," go to Section VIII.I.*	☐YES ☐NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐YES ☐NO
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐YES ☐NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO," go to Section VIII.I.*	☐YES ☐NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐YES ☐NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐YES ☐NO

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Form OP-REQ1: Page 44		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
I.	**Subpart T - National Emission Standards for Halogenated Solvent Cleaning**	
1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐YES ☒**NO**
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒**NO**
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒**NO**
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**	
1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO," go to Section VIII.K.*	☐YES ☒**NO**
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO," go to Section VIII.K.*	☐YES ☐NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO

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Form OP-REQ1: Page 45		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.*	☐YES ☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.*	☐YES ☐NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO

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Form OP-REQ1: Page 46		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
Containers		
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
Drains		
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.*	☐YES ☒**NO** ☐N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.*	☐YES ☒**NO** ☐N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐YES ☐NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☒**YES** ☐NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO," go to Section VIII.O.*	☐YES ☒**NO**
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES," go to Section VIII.O.*	☐YES ☐NO

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Form OP-REQ1: Page 49		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)		
***Applicability* (continued)**		
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO," go to Section VIII.O.*	☐YES ☐NO
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO," go to Section VIII.O.*	☐YES ☐NO
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO," go to Section VIII.O.*	☐YES ☐NO
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*	☐YES ☐NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐YES ☐NO
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*	☐YES ☒**NO** ☐N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐YES ☐NO
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐YES ☐NO

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Form OP-REQ1: Page 51		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
4.	The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐YES ☐NO
5.	The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☐YES ☐NO
6.	The predominant activity in the application area is the treatment of wastewater received from off-site.	☐YES ☐NO
7.	The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐YES ☐NO
8.	The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐YES ☐NO
9.	The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐YES ☐NO
10.	The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES," go to Section VIII.P.*	☐YES ☐NO

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Form OP-REQ1: Page 52		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)		
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.*	☐YES ☐NO
12.	VOHAP concentration is determined by direct measurement.	☐YES ☐NO
13.	VOHAP concentration is based on knowledge of the off-site material.	☐YES ☐NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.*	☐YES ☐NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐YES ☐NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐YES ☐NO
17.	The application area includes containers that manage non-exempt off-site material.	☐YES ☐NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐YES ☐NO

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Form OP-REQ1: Page 53			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.*	☐YES ☒**NO** ☐N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐YES ☐NO
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐YES ☒**NO**
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.*	☐YES ☒**NO**
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.*	☐YES ☐NO
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.*	☐YES ☐NO

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Form OP-REQ1: Page 54			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Q.	**Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)**	
♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.*	☐YES ☐NO
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.*	☐YES ☐NO
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐YES ☐NO
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐YES ☐NO
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐YES ☐NO

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Form OP-REQ1: Page 55			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**		
	1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐YES ☒**NO**
	2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐YES ☐NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**		
	1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.*	☐YES ☒**NO** ☐N/A
	2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐YES ☐NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**		
	1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐YES ☒**NO** ☐N/A
U.	**Subpart PP - National Emission Standards for Containers**		
	1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐YES ☒**NO**
	2.	The application area includes containers using Container Level 1 controls.	☐YES ☐NO
	3.	The application area includes containers using Container Level 2 controls.	☐YES ☐NO

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Form OP-REQ1: Page 56			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
U.	**Subpart PP - National Emission Standards for Containers (continued)**		
	4.	The application area includes containers using Container Level 3 controls.	☐YES ☐NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**		
	1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐YES ☒**NO**
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**		
	1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐YES ☒**NO**
	2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.*	☐YES ☒**NO**
	3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐YES ☐NO
	6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.*	☐YES ☐NO

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Form OP-REQ1: Page 57		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO

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

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO

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Form OP-REQ1: Page 59		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
20.	The application area includes an ethylene production process unit.	☐YES ☒**NO** ☐N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.*	☐YES ☒**NO** ☐N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.*	☐YES ☐NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.*	☐YES ☐NO

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Form OP-REQ1: Page 60		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐YES ☐NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.*	☐YES ☐NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐YES ☐NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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Form OP-REQ1: Page 61		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐YES ☐NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.*	☐YES ☐NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.*	☐YES ☐NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.*	☐YES ☐NO

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Form OP-REQ1: Page 62		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.*	☐YES ☐NO
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.*	☐YES ☐NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.*	☐YES ☐NO

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Form OP-REQ1: Page 63		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.*	☐YES ☐NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.*	☐YES ☐NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO

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Form OP-REQ1: Page 64		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54 is "NO," go to Section VIII.X.*	☐YES ☒**NO**
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐YES ☐NO
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**	
1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.*	☐YES ☒**NO**
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.*	☐YES ☐NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.*	☐YES ☐NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.*	☐YES ☐NO

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Form OP-REQ1: Page 65		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.*	☐YES ☐NO

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Form OP-REQ1: Page 66		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
	Containers	
	14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
	15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*	☐YES ☐NO
	16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
	17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
	18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
***Drains* (continued)**		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐YES ☐NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐YES ☐NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐YES ☐NO

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Form OP-REQ1: Page 68			
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐YES ☒**NO**
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐YES ☒**NO**
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐YES ☒**NO**
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒**YES** ☐NO
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.*	☐YES ☒**NO**
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.*	☐YES ☐NO

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

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.*	☐YES ☐NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
7.	The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
13.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.*	☐YES ☐NO
14.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐YES ☐NO
15.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.*	☐YES ☐NO
16.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐YES ☐NO
17.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
18.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
19.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.*	☐YES ☐NO
20.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

21.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.*	☐YES ☐NO
23.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.*	☐YES ☐NO
24.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐YES ☐NO
25.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐YES ☐NO
26.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐YES ☐NO

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Form OP-REQ1: Page 72		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐YES ☒**NO**
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation		
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.*	☐YES ☒**NO**
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.*	☐YES ☐NO
3.	All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.*	☐YES ☐NO
4.	Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.*	☐YES ☐NO
5.	The site remediation will be completed within 30 consecutive calendar days.	☐YES ☐NO
6.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.*	☐YES ☐NO
7.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐YES ☐NO
8.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)		
9.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.*	☐YES ☐NO
10.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐YES ☐NO
11.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐YES ☐NO
12.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐YES ☐NO
13.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐YES ☐NO
14.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐YES ☐NO
DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities		
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.*	☐YES ☒**NO**
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.*	☐YES ☐NO
3.	Metallic scrap is utilized in the EAF.	☐YES ☐NO
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO

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Form OP-REQ1: Page 74		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities		
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "NO," go to Section VIII.FF.*	☐YES ☒**NO**
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐YES ☐NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐YES ☐NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.*	☐YES ☐NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐YES ☐NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.*	☐YES ☐NO
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.*	☐YES ☐NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐YES ☐NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.*	☐YES ☐NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐YES ☐NO
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.*	☐YES ☒**NO**
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.*	☐YES ☐NO
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐YES ☐NO
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐YES ☐NO
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒**YES** ☐NO
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. **Subpart EEEE**	

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**			
	A.	**Applicability**		
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☒**YES** ☐NO	
X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**			
	A.	**Subpart A - Production and Consumption Controls**		
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐YES ☒**NO** ☐N/A	
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**		
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐YES ☒**NO**	
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**		
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐YES ☒**NO** ☐N/A	
	D.	**Subpart D - Federal Procurement**		
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐YES ☒**NO** ☐N/A	
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**		
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐YES ☒**NO** ☐N/A	
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐YES ☒**NO** ☐N/A	
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐YES ☒**NO** ☐N/A	

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**			
	F.	**Subpart F - Recycling and Emissions Reduction**		
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☐YES	☒**NO**
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☐YES	☒**NO** ☐N/A
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐YES	☒**NO** ☐N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**		
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.*	☐YES	☒**NO** ☐N/A
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐YES	☐NO ☐N/A
	H.	**Subpart H -Halon Emissions Reduction**		
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☐YES	☒**NO** ☐N/A
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐YES	☒**NO** ☐N/A
XI.	**Miscellaneous**			
	A.	**Requirements Reference Tables (RRT) and Flowcharts**		
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒**YES**	☐NO

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XI.	**Miscellaneous (continued)**		
	B.	**Forms**	
♦	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.*	☒**YES** ☐NO ☐N/A
♦	2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. **40 CFR Part 63, Subpart EEEE and Part 60, Subpart DDDDD**	
	C.	**Emission Limitation Certifications**	
♦	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☒**YES** ☐NO
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**	
	1.	The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐YES ☒**NO**
	2.	The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐YES ☒**NO**
	3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.*	☐YES ☒**NO**
	4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.*	☐YES ☒**NO**

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XI.	**Miscellaneous (continued)**		
	E.	**Title IV - Acid Rain Program**	
	1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐YES ☒**NO**
	2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐YES ☒**NO**
	3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐YES ☒**NO**
	F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
	1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "NO," go to Question XI.F.7.*	☐YES ☒**NO**
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐YES ☐NO
	6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐YES ☐NO
	7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐YES ☒**NO**

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Form OP-REQ1: Page 80			
XI.	**Miscellaneous (continued)**		
	G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
	1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "NO," go to Question XI.G.6.*	☐YES ☒**NO**
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐YES ☐NO
	5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐YES ☐NO
	6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐YES ☒**NO**
	H.	**Permit Shield (SOP Applicants Only)**	
	1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒**YES** ☐NO

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Form OP-REQ1: Page 81			
XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐YES ☐NO
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐YES ☐NO
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐YES ☐NO
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐YES ☐NO
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐YES ☐NO
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "NO," go to question XI.J.3.*	☒**YES** ☐NO
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☒**YES** ☐NO ☐N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☒**YES** ☐NO ☐N/A

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

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X.	☒**YES** ☐NO
♦	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐YES ☒**NO**
♦	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐YES ☒**NO**
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐YES ☒**NO**
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☒**YES** ☐NO
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.*	☒**YES** ☐NO
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐YES ☒**NO**

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

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

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

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits**	
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.*	☐YES ☒**NO**
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐YES ☐NO
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐YES ☐NO
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐YES ☐NO
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐YES ☐NO
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐YES ☐NO
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐YES ☐NO
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐YES ☐NO

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "NO," go to Question XII.B.15.*	☐YES ☐NO
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐YES ☐NO
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐YES ☐NO
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐YES ☐NO
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐YES ☒**NO**
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐YES ☒**NO**

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

E. PSD Permits and PSD Major Pollutants

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

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

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

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **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.: **2480A**	Issuance Date: **06/24/2022**	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: **106.183**	Version No./Date: **09/04/2000**
PBR No.: **106.261**	Version No./Date: **12/24/1998**
PBR No.: **106.261**	Version No./Date: **11/01/2003**
PBR No.: **106.262**	Version No./Date: **12/24/1998**
PBR No.: **106.262**	Version No./Date: **11/01/2003**
PBR No.: **106.263**	Version No./Date: **11/01/2001**
PBR No.: **106.264**	Version No./Date: **03/14/1997**
PBR No.: **106.412**	Version No./Date: **03/14/1997**
PBR No.: **106.472**	Version No./Date: **03/14/1997**
PBR No.: **106.473**	Version No./Date: **09/04/2000**
PBR No.: **106.478**	Version No./Date: **03/14/1997**
PBR No.: **106.511**	Version No./Date: **03/14/1997**
♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

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

Date	Permit Number	Regulated Entity Number
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	Registration No.	PBR No.	Registration Date
T-132	166311	106.261	9/27/2021
T-197	29974	Standard Exemption No. 86	12/1/1998
T-129, T-221, T-222, T-229, T-233, T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	76067	106.261	6/14/2005
2005 Annual Notification	78525	106.261	4/14/2006
2006 Annual Notification	81529	106.261	4/30/2007
2007 Annual Notification	84543	106.261	4/16/2008
2008 Annual Notification	87856	106.261	4/30/2009
SD-1	92215	106.261	5/12/2010
T-200, T-201	93189	106.262	9/8/2010
TO-1, SD-1, T-103	95648	106.261 & 106.262	6/29/2011

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

Date	Permit Number	Regulated Entity Number
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	PBR No.	Version No./Date
DSLTNK#8	106.412	9/4/2000
FRAC-BH	106.472	9/4/2000
FRAC-HP	106.472	9/4/2000
116	106.472	9/4/2000
148	106.472	9/4/2000
149	106.472	9/4/2000
238	106.472	9/4/2000
E-GEN6	106.511	9/4/2000
GEN-GPWC3	106.511	9/4/2000
GEN-GPWC4	106.511	9/4/2000
GEN-GPWC5	106.511	9/4/2000
ENG-4	106.511	9/4/2000
263MSS	106.263	11/01/2001

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
05/24/2024	O-1070	RN102753670

PBR No.	Version No./Date

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

Date	Permit Number	Regulated Entity Number
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-132	30 TAC 106.261	166311	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-129, T-221, T-222, T-229, T-233, T-235, T-147, T-236, T-247, T-122, T-152, T-204, T-205, T-206, T-209, T-215	30 TAC 106.261	76067	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
SD-1	30 TAC 106.261	92215	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
T-200, T-201	30 TAC 106.262	93189	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
TO-1, SD-1, T-103	30 TAC 106.261 & 30 TAC 106.262	95648	Verify that visible emissions from this source do not exceed 5% opacity in any six-minute period.
DSLTNK#8	30 TAC 106.412	9/4/2000	Monitor annual throughput of material loaded from tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-BH	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
FRAC-HP	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
116	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
148	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
149	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
238	30 TAC 106.472	9/4/2000	Verify that no visible emissions result from loading of material to tank. Monitor annual throughput of material loaded to tank such that annual volatile organic compound (VOC) emissions do not exceed 25 tons per year.
E-GEN6	30 TAC 106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
GEN-GPWC3	30 TAC 106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
GEN-GPWC4	30 TAC 106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
GEN-GPWC5	30 TAC 106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
ENG-4	30 TAC 106.511	9/4/2000	Verify that annual operating hours does not exceed 10% of the normal operating schedule of the primary equipment.
263MSS	30 TAC 106.263	11/1/2001	Monitor usage of abrasive material and paints at the site such that annual VOC emissions do not exceed 25 tons per year, PM10 emissions do not exceed 15 tons per year and PM2.5 emissions do not exceed 10 tons per year.

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

Date: **5/24/2024**	
Permit No.: **O1070**	
Regulated Entity No.: **RN102753670**	
Company Name: **KM Liquids Terminal LLC**	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA?	☒ **YES** ☐ NO
I. Application Type	
Indicate the type of application:	
☒ **Renewal**	
☒ **Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)**	
☐ Significant Revision	
☐ Revision Requesting Prior Approval	
☐ Administrative Revision	
☐ Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only	☒ **YES** ☐ NO
For GOP Revisions Only	☐ YES ☐ NO

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*						
☒ **VOC**	☒ **NO_x**	☐ SO_2	☐ PM_{10}	☐ CO	☐ Pb	☒ **HAP**
Other:						
IV. Reference Only Requirements *(For reference only)*						
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?					☒ **YES** ☐ NO ☐ N/A	
V. Delinquent Fees and Penalties						
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.						

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

Date:	**5/24/2024**
Permit No.:	**O-1070**
Regulated Entity No.:	**RN102753670**
Company Name:	**KM Liquids Terminals LLC**

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-C	NO	B3	OP-SUMR	2480A	Removal of Unit ID: B3 from the Title V Permit since it no longer exists at the Galena Park West Chemical Plant.
2	MS-C	NO	T-021, T-022, T-023, T-024, T-026	OP-SUMR	2480A	Removal of Unit IDs: T-021, T-022, T-023, T-024, and T-026 from the Title V Permit since they no longer exist at the Galena Park West Chemical Plant.
3	MS-C	NO	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-SUMR, OP-UA3, OP-REQ2	2480A	Removal of Unit IDs: T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, and T-238 from Group ID: GRPPREK2 and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia, and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.

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

Date:	**5/24/2024**
Permit No.:	**O-1070**
Regulated Entity No.:	**RN102753670**
Company Name:	**KM Liquids Terminals LLC**

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
4	MS-C	NO	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-SUMR, OP-UA3, OP-REQ2	2480A	Removal of Unit IDs: T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, and T-220 from Group ID: GRPKB and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia, and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 60 Subpart Kb, 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to material stored.
5	MS-C	NO	T-151, T-152, T-153, T-154, T-155	OP-SUMR, OP-UA3, OP-REQ2	2480A	Removal of Unit IDs: T-151, T-152, T-153, T-154, and T-155 from Group ID: GRPK and addition of these tanks to Group ID: GRPFIXED. These tanks only store materials with a vapor pressure less than 0.5 psia, and are operating as uncontrolled fixed roof tanks. The internal floating roofs on these tanks are not fully functional, and emissions are not controlled using a flare or carbon adsorption system. These tanks are no longer subject to 40 CFR 60 Subpart K, 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to material stored.
6	MS-C	NO	T-212	OP-SUMR, OP-UA3, OP-REQ2	2480A	Removal of Unit ID: T-212 from Group ID: GRPKB2 and addition of this tank to Group ID: GRPFIXED. This tank only store materials with a vapor pressure less than 0.5 psia, and is operating as an uncontrolled fixed roof tank. The internal floating roof on this tank is not fully functional, and emissions are not controlled using a flare or carbon adsorption system. This tank is no longer subject 40 CFR 61 Subpart Y, 40 CFR 63 Subpart R, or 40 CFR 63 Subpart EEEE due to the material stored.

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

Date:	**5/24/2024**
Permit No.:	**O-1070**
Regulated Entity No.:	**RN102753670**
Company Name:	**KM Liquids Terminals LLC**

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
7	MS-C	NO	T-148	OP-SUMR, OP-UA3	2480A	Removal of Unit ID: T-148 from GRP: GRPPREK2. Based on tank parameters and regulatory requirements, T-148 is included as a separate emission unit. The permit should be updated to show that this tank complies with regulatory requirements by use of an internal floating roof.
8	MS-C	NO	T-199, T-202	OP-SUMR, OP-UA3	2480A	Removal of Unit IDs: T-199 and T-202 from Group ID: GRPKB and addition of these tanks to Group ID: GRPIFR. The permit should be updated to show that these tanks comply with regulatory requirements by use of an internal floating roof.
9	MS-C	NO	T-210, T-211	OP-SUMR, OP-UA3	2480A	Removal of Unit IDs: T-210 and T-211 from Group ID: GRPKB2 and addition of these tanks to Group ID: GRPIFR. The permit should be updated to show that these tanks comply with regulatory requirements by use of an internal floating roof.
10	MS-C	NO	GRPK	OP-MON	2480A	Removal of periodic monitoring requirements for Group ID: GRPK requiring the monitoring and recording the presence of a pilot flame, as these tanks are not equipped with a control device.
11	MS-C	NO	GRPK, GRPKB, GRPKB2, GRPPREK2	OP-MON	2480A	Removal of periodic monitoring requirements for Group IDs: GRPK, GRPKB, GRPKB2, and GRPPREK2 requiring the requiring that fugitive emissions from a vapor collection system be monitored using Method 21, as these tanks are not equipped with a vapor collection system.
12	MS-C	NO	GRPK, GRPKB, GRPKB2, GRPPREK2	OP-MON	2480A	Removal of periodic monitoring requirements for Group IDs: GRPK, GRPKB, GRPKB2, and GRPPREK2 requiring the requiring the visual inspection of a vapor collection system, as these tanks are not equipped with a vapor collection system.
13	MS-C	NO	GRPFUG	OP-UA12	2480A	Removal of fugitive monitoring requirements associated with 30 TAC 115.354 for Group ID: GRPFUG as the site is not a petroleum refinery, natural gas processing plant, or a petrochemical processing plant.

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

Date:	**5/24/2024**
Permit No.:	**O-1070**
Regulated Entity No.:	**RN102753670**
Company Name:	**KM Liquids Terminals LLC**

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
14	MS-A	YES	DSLTNK#8	OP-SUMR, OP-UA3	106.412/9/4/2000	Addition of a diesel tank to the Title V permit.
15	MS-A	YES	FRAC-BH	OP-SUMR, OP-UA3	106.472/9/4/2000	Addition of a frac tank to the Title V permit.
16	MS-A	YES	FRAC-HP	OP-SUMR, OP-UA3	106.472/9/4/2000	Addition of a frac tank to the Title V permit.
17	MS-C	NO	SD1	OP-UA4, OP-MON	2480A	Revise regulatory compliance for Unit ID: SD1 (loading operations) to remove the options to meet the requirements using a control flare or carbon adsorption system.
18	MS-C	NO	T-239, T-240, T-241, T-242, T-243, T-244, T-245, T-246, T-247, T-248, L-18, FUG	OP-SUMR	2480A	Deletion of emission sources associated the 2011 Expansion Project, which was not constructed. These sources include tanks 239 through 248 (EPNs T-239 through T-248), loading station 18 (EPN: L-18), and fugitives (EPN: FUG).
19	MS-A	YES	GEN-GPWC3, GEN-GPWC4, GEN-GPWC5, ENG-4	OP-SUMR, OP-UA2	106.511/9/4/2000	Addition of four emergency use engines to the Title V Permit.
20	MS-A	YES	263MSS	OP-SUMR	106.263/11/1/2001	Addition of Maintenance, Startup, and Shutdown activities to the Title V Permit.
21	MS-C	NO	T-DIESEL, T-GAS	OP-SUMR	106.473/09/04/2000	Deletion of two fuel storage tanks (EPN: T-DIESEL and T-GAS) from the Title V Permit since they no longer exist at the Galena Park West Chemical Plant.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date:	5/24/2024	Permit No.:	O-1070	Regulated Entity No.:	RN102753670

Unit/Process						Preconstruction Authorizations	
AI	Revision No.	ID No.	Applicable Form	Name/Description	CAM	30 TAC Chapter 116/30 TAC Chapter 106	Title I
D	1	B-3		Boiler 3		106.183/09/04/2000	
D	18	L-18		RAILCAR/TANK TRUCK LOAD STATION 18		2480A	
D	2	T-021		TANK #021		2480A	
D	2	T-022		TANK #022		2480A	
D	2	T-023		TANK #023		2480A	
D	2	T-024		TANK #024		2480A	
D	2	T-026		TANK #026		2480A	
D	18	T-239		STORAGE TANK 239		2480A	
D	18	T-240		STORAGE TANK 240		2480A	
D	18	T-241		STORAGE TANK 241		2480A	
D	18	T-242		STORAGE TANK 242		2480A	
D	18	T-243		STORAGE TANK 243		2480A	
D	18	T-245		STORAGE TANK 245		2480A	
D	18	T-246		STORAGE TANK 246		2480A	
D	18	T-247		STORAGE TANK 247		2480A	
D	18	T-248		STORAGE TANK 248		2480A	
D	21	T-DIESEL		DIESEL DISPENSING TANK		106.473/09/04/2000	
D	21	T-GAS		GASOLINE DISPENSING TANK		106.473/09/04/2000	
A	14	DSLTNK#8	OP-UA3	Diesel Tank		106.412/09/04/2000	
A	15	FRAC-BH	OP-UA3	Frac Tank-Boiler House		106.472/09/04/2000	
A	16	FRAC-HP	OP-UA3	Frac Tank-Hose Pit		106.472/09/04/2000	
A	19	GEN-GPWC3	OP-UA2	1368 HP Emergency Diesel Engine		106.511/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date:	5/24/2024	Permit No.:	O-1070	Regulated Entity No.:	RN102753670

Unit/Process						Preconstruction Authorizations	
AI	Revision No.	ID No.	Applicable Form	Name/Description	CAM	30 TAC Chapter 116/30 TAC Chapter 106	Title I
A	19	GEN-GPWC4	OP-UA2	1341 HP Emergency Diesel Engine		106.511/09/04/2000	
A	19	GEN-GPWC5	OP-UA2	2012 HP Emergency Diesel Engine		106.511/09/04/2000	
A	19	ENG-4	OP-UA2	453 HP Diesel Fire Water Pump		106.511/09/04/2000	
A	20	263MSS		Maintenance, Startup, and Shutdown Emissions		106.263/11/01/2001	

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

Date:	**5/24/2024**	**Permit No.:**	**O-1070**
Regulated Entity No.:	**RN102753670**		

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	D	GRPPREK2
3	T-101, T-102, T-104, T-105, T-106, T-117, T-118, T-119, T-120, T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-139, T-140, T-141, T-142, T-143, T-144, T-204, T-221, T-222, T-223, T-224, T-225, T-226, T-227, T-228, T-229, T-230, T-231, T-232, T-233, T234, T-235, T-236, T-237, T-238	OP-UA3, OP-REQ2	A	GRPFIXED

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

Date:	**5/24/2024**	**Permit No.:**	**O-1070**
Regulated Entity No.:	**RN102753670**		

Revision No.	**ID No.**	**Applicable Form**	**Group AI**	**Group ID No.**
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	D	GRPKB
4	T-103, T-115, T-116, T-138, T-145, T-146, T-147, T-149, T-150, T-197, T-198, T-200, T-201, T-203, T-205, T-206, T-207, T-208, T-209, T-213, T-214, T-215, T-216, T-219, T-220	OP-UA3, OP-REQ2	A	GRPFIXED
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	D	GRPK
5	T-151, T-152, T-153, T-154, T-155	OP-UA3, OP-REQ2	A	GRPFIXED
6	T-212	OP-UA3, OP-REQ2	D	GRPKB2
6	T-212	OP-UA3, OP-REQ2	A	GRPFIXED

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

Date:	**5/24/2024**	**Permit No.:**	**O-1070**
Regulated Entity No.:	**RN102753670**		

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
7	T-148	OP-UA3, OP-REQ2	D	GRPPREK2
8	T-199, T-202	OP-UA3, OP-REQ2	D	GRPKB
8	T-199, T-202	OP-UA3, OP-REQ2	A	GRPIFR
9	T-210, T-211	OP-UA3, OP-REQ2	D	GRPKB2
9	T-210, T-211	OP-UA3, OP-REQ2	A	GRPIFR

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 1)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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
GEN-GPWC3	TAC117-1		FCD+		D2001+				
GEN-GPWC4	TAC117-1		FCD+		D2001+				
GEN-GPWC5	TAC117-1		FCD+		D2001+				
ENG4	TAC117-1		FCD+		D2001+				

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
GEN-GPWC3	63ZZZZ-1	MAJOR	500+	06+		EMER-A	
GEN-GPWC4	63ZZZZ-1	MAJOR	500+	06+		EMER-A	
GEN-GPWC5	63ZZZZ-1	MAJOR	500+	06+		EMER-A	
ENG4	63ZZZZ-2	MAJOR	300-500	06+		EMER-A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
GEN-GPWC3	60IIII-1	2005+	NONE	EMERG	CON	0406+
GEN-GPWC4	60IIII-1	2005+	NONE	EMERG	CON	0406+
GEN-GPWC5	60IIII-1	2005+	NONE	EMERG	CON	0406+
ENG4	60IIII-2	2005+	NONE	FIRE	CON	0706+

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 11)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
GEN-GPWC3	60IIII-1	DIESEL		10-		2017+	2016+
GEN-GPWC4	60IIII-1	DIESEL		10-		2017+	2016+
GEN-GPWC5	60IIII-1	DIESEL		10-		2017+	2016+
ENG4	60IIII-2	DIESEL		10-		2017+	2016+

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
GEN-GPWC3	60IIII-1	E560-2237		NO	NO	MANU YES		
GEN-GPWC4	60IIII-1	E560-2237		NO	NO	MANU YES		
GEN-GPWC5	60IIII-1	E560-2237		NO	NO	MANU YES		
ENG4	60IIII-2	F130-368			NO	MANU YES		

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

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPIFR	60Kb-100	PTLQ-3	40K+	NONE	0.75-11.1	IFR-SL				
GRPIFR	60Kb-105	PTCD-AF3	40K+	NONE	0.5-					
GRPIFR	60Kb-106	PTCD-AF3	40K+	NONE	0.5-0.75	IFR-SL				
GRPIFR	60Kb-107	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-SL				
GRPIFR	60Kb-112	CRUD-AF3	40K+	NONE	0.5-					
GRPIFR	60Kb-113	CRUD-AF3	40K+	NONE	0.5-0.75	IFR-SL			CR2-	
GRPIFR	60Kb-114	CRUD-AF3	40K+	NONE	0.75-11.1	IFR-SL			CR2-	
GRPIFR	60Kb-22	VOL	40K+	NONE	0.5-					
GRPIFR	60Kb-28	VOL	40K+	NONE	0.5-0.75	IFR-SL				
GRPIFR	60Kb-32	VOL	40K+	NONE	0.75-11.1	IFR-SL				
DSLTNK#8	60Kb-10K	PTLQ-3	10K-							
FRAC-BH	60Kb-10K	PTLQ-3	10K-							
FRAC-HP	60Kb-10K	PTLQ-3	10K-							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPFIXED	R5112-094	NO		OIL1	B40K+			
GRPIFR	R5112-101	NO		OIL1	B40K+			
GRPIFR	R5112-069	NO		VOC1	A40K+			
T-148	R5112-101	NO		OIL1	B40K+			
T-148	R5112-069	NO		VOC1	A40K+			
DSLTNK#8	R5112-1000	NO		VOC1	A1K-			
FRAC-BH	R5112-1000	NO		VOC1	A1K-			
FRAC-HP	R5112-1000	NO		VOC1	A1K-			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program
Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	O-1070	RN102753670

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.
GRPFIXED	R5112-094		NONE1	1-				
GRPIFR	R5112-094		NONE1	1-				
GRPIFR	R5112-095		NONE1	1-1.5				
GRPIFR	R5112-101		IFR1	1.5+A				
GRPIFR	R5112-069		IFR1	1.5+A				
T-148	R5112-094		NONE1	1-				
T-148	R5112-095		NONE1	1-1.5				
T-148	R5112-101		IFR1	1.5+A				
T-148	R5112-069		IFR1	1.5+A				

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 6)
Federal Operating Permit Program
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)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

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
GRPIFR	63R-004	20K+	NO		IFR-SL			YES	
T-148	63R-004	20K+	NO		IFR-SL			YES	
DSLTNK#8	63R-016	20K-							
FRAC-BH	63R-016	20K-							
FRAC-HP	63R-016	20K-							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 7)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

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.
GRPIFR	61Y-004	BENZ	10K+	YES			IFR2		
GRPIFR	61Y-021	BENZ	10K+	YES			IFR2		
T-148	61Y-004	BENZ	10K+	YES			IFR2		
T-148	61Y-021	BENZ	10K+	YES			IFR2		
DSLTNK#8	61Y-270	OTHER							
FRAC-BH	61Y-270	OTHER							
FRAC-HP	61Y-270	OTHER							

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

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
SD1	R5211-1	MARINE	NONE		VOC1	LOAD	0.5+	NCE3	CON
SD1	R5211-2	MARINE	NONE		VOC1	UNLOAD	0.5+	NCE3	CON
SD1	R5211-8	MARINE	NONE		VOC1	LOAD	0.5-		
SD1	R5211-9	MARINE	NONE		VOC1	UNLOAD	0.5-		
GRPLR	R5211-3	GASTERM	NONE		GAS1	BOTH	0.5+	NCE3	CON
GRPLR	R5211-5	OTHER	NONE		VOC1	BOTH	0.5+	20K+	CON
GRPLR	R5211-10	OTHER	NONE		VOC1	BOTH	0.5-		

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
SD1	R5211-1	COMB	TO-1	NO		NO		
SD1	R5211-2	COMB	TO-1	NO		NO		
GRPLR	R5211-3	COMB	TO-1		NO			
GRPLR	R5211-5	COMB	TO-1		NO			

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 3)
Federal Operating Permit Program
Table 2: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart XX: Standards of Performance for Bulk Gasoline Terminals
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP/GOP Index No.	Construction/Modification Date	Component Replacement	Existing Vapor Processing System	Flare	Vapor Processing System Type
GRPLR	60XX-1	80-	NO			

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 4)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart R: National Emission Standards for Gasoline Distribution Facilities
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP Index No.	Vapor Processing System	Subpart R Control Device Type	Subpart R Control Device ID No.
GRPLR	63R-3	NO	TOX	TO-1

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 5)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Y: National Emission Standards for Marine Vessel Loading Operations
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP Index No.	Subpart Y Facility Type	Ballasting Operations	Vapor Pressure	Subpart BB Applicability	Material Loaded	HAP Impurities Only	Source Emissions	Through-put
SD1	63Y-1	EXON	NO	10+	NO	BOTH	NO	1025+	10200+
SD1	63Y-2	EXON	NO	10+	NO	OTHER	NO	1025+	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 6)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Y: National Emission Standards for Marine Vessel Loading Operations
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	O-1070	RN102753670

Unit ID No.	SOP Index No.	CEMS	Vapor Balancing System	Documenting Vapor Tightness	Subpart Y Control Device Type	Subpart Y Control Device ID No.	Performance Test	Alt. Monitoring	Alt. Test Procedure	Vent Stream Bypass	Bypass Flow Indicator
SD1	63Y-1	NO	NO	YES	COMB	TO-1	BLPERF	NO	NO	NO	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 7)
Federal Operating Permit Program
Table 5: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart BB: National Emission Standards for Benzene Emissions from Benzene Transfer Operations
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
05/24/2024	**O-1070**	**RN102753670**

Unit ID No.	SOP Index No.	Negative Applicability	Benzene By Weight	Annual Amount Loaded	Loading Location	Subpart BB Control Device Type	Subpart BB Control Device ID No.	Intermittent Control Device	Diverted Vent Gas Stream
SD1	61BB-1	NO	70+	1.3+	MARINE	OTHER	TO-1	NO	NO
GRPLR	61BB-2	NO	70+	1.3+	LAND	OTHER	TO-1	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 22)
Federal Operating Permit Program
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)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

		Title 40 CFR Part 61, Subpart V			Fugitive Unit	Component	
		Any Component					
Unit ID No.	SOP Index No.	Vacuum Service	VHAP Service	Pumps	AMEL	AMEL ID No.	Complying with § 61.242-2
GRPFUG	61V-ALL	NO	YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 25)
Federal Operating Permit Program
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)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

		Title 40 CFR Part 61, Subpart V Fugitive Unit Components (continued)							
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
GRPFUG	61V-ALL	YES	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 28)
Federal Operating Permit Program
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)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

Unit ID No.	SOP Index No.	Title 40 CFR Part 61, Subpart V Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices				
		Vapor Recovery System	AMEL	AMEL ID No.	Control Device ID No.	Complying with § 61.242-11(b)
GRPFUG	61V-ALL				TO-1	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 52)
Federal Operating Permit Program
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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

Unit ID No.	SOP Index No.	Design Capacity	Any Component in Benzene Service	AMEL	AMEL ID No.
GRPFUG	61J	1000-			

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

Date	Permit No.	Regulated Entity No.
5/24/2024	O-1070	RN102753670

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS K	§60.113(d)(1)	Vapor pressure of the material stored is less than 1.0 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Ka	§60.115a(d)(1)	Vapor pressure of the material stored is less than 1.0 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	NSPS Kb	§60.115b(b)	Vapor pressure of the material stored is less than 0.51 psia.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	40 CFR 61 Subpart Y	§61.270(a)	Material stored does not contain benzene.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT R	§63.423(a)	Tank does not store gasoline.
	3,4,5,6	GRPFIXED	OP-SUMR, OP-REQ2	MACT EEEE	§63.2334(a)	Tank does not store material that contains 5 percent by weight or greater of the listed organic HAPs.

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Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: **HG-0542-V**	RN No.: **RN102753670**	CN: **CN603254707**
Permit No.: **O-1070**	Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**		
Company Name: **KM Liquids Terminals LLC**		
II. Unit/Emission Point/Group/Process Information		
Revision No.: **3, 4, 5, 6**		
Unit/EPN/Group/Process ID No.: **GRPFIXED**		
Applicable Form: **OP-UA3, OP-REQ2**		
III. Applicable Regulatory Requirement		
Name: **30 TAC Chapter 115**		
SOP/GOP Index No.: **R5112-00**		
Pollutant: **VOC**		
Main Standard: **115.115(a)(6)**		
IV. Title V Monitoring Information		
Monitoring Type: **PM**		
Unit Size: **LG**		
CAM/PM Option No.: **PM-V-043**		
Deviation Limit:		
CAM/PM Option No.: **PM-V-044**		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

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Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: **HG-0542-V**	RN No.: **RN102753670**	CN: **CN603254707**
Permit No.: **O-1070**	Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**		
Company Name: **KM Liquids Terminals LLC**		
II. Unit/Emission Point/Group/Process Information		
Revision No.: **8, 9**		
Unit/EPN/Group/Process ID No.: **GRPIFR**		
Applicable Form: **OP-UA3**		
III. Applicable Regulatory Requirement		
Name: **40 CFR Part 60 Subpart Kb**		
SOP/GOP Index No.: **60Kb-39**		
Pollutant: **VOC**		
Main Standard: §**60.112b(b)(1)**		
IV. Title V Monitoring Information		
Monitoring Type: **PM**		
Unit Size: **SM**		
CAM/PM Option No.: **PM-V-042**		
Deviation Limit:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: **HG-0542-V**	RN No.: **RN102753670**	CN: **CN603254707**
Permit No.: **O-1070**	Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**		
Company Name: **KM Liquids Terminals LLC**		
II. Unit/Emission Point/Group/Process Information		
Revision No.: **7**		
Unit/EPN/Group/Process ID No.: **T-148**		
Applicable Form: **OP-UA3**		
III. Applicable Regulatory Requirement		
Name: **40 CFR Part 60 Subpart Kb**		
SOP/GOP Index No.: **60Kb-39**		
Pollutant: **VOC**		
Main Standard: §**60.112b(b)(1)**		
IV. Title V Monitoring Information		
Monitoring Type: **PM**		
Unit Size: **SM**		
CAM/PM Option No.: **PM-V-042**		
Deviation Limit:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: **HG-0542-V**	RN No.: **RN102753670**	CN: **CN603254707**
Permit No.: **O-1070**	Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**		
Company Name: **KM Liquids Terminals LLC**		
II. Unit/Emission Point/Group/Process Information		
Revision No.: **17**		
Unit/EPN/Group/Process ID No.: **SD1**		
Applicable Form: **OP-UA4**		
III. Applicable Regulatory Requirement		
Name: **30 TAC Chapter 115**		
SOP/GOP Index No.: **R5211-7**		
Pollutant: **VOC**		
Main Standard: §**115.212(a)(6)(A)**		
IV. Title V Monitoring Information		
Monitoring Type: **PM**		
Unit Size: **SM**		
CAM/PM Option No.: **PM-V-008**		
Deviation Limit:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.: **TO-1**		
Control Device Type: **COMB**		

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-112**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-118a**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-149**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-155a**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-214**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **5**	
Unit/EPN/Group/Process ID No.: **GRPK**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart K**	
SOP/GOP Index No.: **60K-229**	
Pollutant: **VOC**	
Main Standard: **§60.112(a)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-003**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 5, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPK, GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **NESHAP Y**	
SOP/GOP Index No.: **61Y-008**	
Pollutant: **Benzene**	
Main Standard: **§61.271(c)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-059**	
V.	**Control Device Information**
Control Device ID No.: **TO-1**	
Control Device Type: **Vapor Combustor**	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device: **Delete**	

Texas Commission on Environmental Quality
Monitoring Requirements
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Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: **HG-0542-V**
RN No.: **RN102753670**
CN: **CN603254707**
Permit No.: **O-1070**
Project No.: **TBD**
Area Name: **Galena Park West Chemical Plant**
Company Name: **KM Liquids Terminals LLC**
II. Unit/Emission Point/Group/Process Information
Revision No.: **4, 5, 8**
Unit/EPN/Group/Process ID No.: **GRPK, GRPKB**
Applicable Form: **OP-SUMR, OP-REQ2**
III. Applicable Regulatory Requirement
Name: **NESHAP Y**
SOP/GOP Index No.: **61Y-010**
Pollutant: **Benzene**
Main Standard: **§61.271(c)**
IV. Title V Monitoring Information
Monitoring Type: **PM**
CAM/PM Option No.: **PM-V-058**
V. Control Device Information
Control Device ID No.:
Control Device Type:
VI. Type of Deletion
Monitoring Requirement: **Delete**
Control Device:

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-101**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-102**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-108**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-109**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: **HG-0542-V**
RN No.: **RN102753670**
CN: **CN603254707**
Permit No.: **O-1070**
Project No.: **TBD**
Area Name: **Galena Park West Chemical Plant**
Company Name: **KM Liquids Terminals LLC**
II. Unit/Emission Point/Group/Process Information
Revision No.: **4, 6, 8, 9**
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**
Applicable Form: **OP-SUMR, OP-REQ2**
III. Applicable Regulatory Requirement
Name: **40 CFR Part 60, Subpart Kb**
SOP/GOP Index No.: **60Kb-115**
Pollutant: **VOC**
Main Standard: **§60.112b(a)(3)**
IV. Title V Monitoring Information
Monitoring Type: **PM**
CAM/PM Option No.: **PM-V-058, PM-V-059**
V. Control Device Information
Control Device ID No.:
Control Device Type:
VI. Type of Deletion
Monitoring Requirement: **Delete**
Control Device:

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-116**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-36**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-37**	
Pollutant: **VOC**	
Main Standard: **§60.112b(a)(3)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-103**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-104**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-110**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-111**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: **HG-0542-V**
RN No.: **RN102753670**
CN: **CN603254707**
Permit No.: **O-1070**
Project No.: **TBD**
Area Name: **Galena Park West Chemical Plant**
Company Name: **KM Liquids Terminals LLC**
II. Unit/Emission Point/Group/Process Information
Revision No.: **4, 6, 8, 9**
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**
Applicable Form: **OP-SUMR, OP-REQ2**
III. Applicable Regulatory Requirement
Name: **40 CFR Part 60, Subpart Kb**
SOP/GOP Index No.: **60Kb-117**
Pollutant: **VOC**
Main Standard: **§60.112b(b)(1)**
IV. Title V Monitoring Information
Monitoring Type: **PM**
CAM/PM Option No.: **PM-V-058, PM-V-059**
V. Control Device Information
Control Device ID No.:
Control Device Type:
VI. Type of Deletion
Monitoring Requirement: **Delete**
Control Device:

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Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: **HG-0542-V**
RN No.: **RN102753670**
CN: **CN603254707**
Permit No.: **O-1070**
Project No.: **TBD**
Area Name: **Galena Park West Chemical Plant**
Company Name: **KM Liquids Terminals LLC**
II. Unit/Emission Point/Group/Process Information
Revision No.: **4, 8**
Unit/EPN/Group/Process ID No.: **GRPKB**
Applicable Form: **OP-SUMR, OP-REQ2**
III. Applicable Regulatory Requirement
Name: **40 CFR Part 60, Subpart Kb**
SOP/GOP Index No.: **60Kb-118**
Pollutant: **VOC**
Main Standard: **§60.112b(b)(1)**
IV. Title V Monitoring Information
Monitoring Type: **PM**
CAM/PM Option No.: **PM-V-058, PM-V-059**
V. Control Device Information
Control Device ID No.:
Control Device Type:
VI. Type of Deletion
Monitoring Requirement: **Delete**
Control Device:

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 6, 8, 9**	
Unit/EPN/Group/Process ID No.: **GRPKB, GRPKB2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-38**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **4, 8**	
Unit/EPN/Group/Process ID No.: **GRPKB**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **40 CFR Part 60, Subpart Kb**	
SOP/GOP Index No.: **60Kb-39**	
Pollutant: **VOC**	
Main Standard: **§60.112b(b)(1)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.:	
Control Device Type:	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device:	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **2, 3, 7**	
Unit/EPN/Group/Process ID No.: **GRPPREK1, GRPPREK2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **NESHAP Y**	
SOP/GOP Index No.: **61Y-018**	
Pollutant: **Benzene**	
Main Standard: **§61.271(c)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.: **TO-1**	
Control Device Type: **Vapor Combustor**	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device: **Delete**	

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Table 2a: CAM/PM Deletions

I.	**Identifying Information**
Account No.: **HG-0542-V**	
RN No.: **RN102753670**	
CN: **CN603254707**	
Permit No.: **O-1070**	
Project No.: **TBD**	
Area Name: **Galena Park West Chemical Plant**	
Company Name: **KM Liquids Terminals LLC**	
II.	**Unit/Emission Point/Group/Process Information**
Revision No.: **2, 3, 7**	
Unit/EPN/Group/Process ID No.: **GRPPREK1, GRPPREK2**	
Applicable Form: **OP-SUMR, OP-REQ2**	
III.	**Applicable Regulatory Requirement**
Name: **NESHAP Y**	
SOP/GOP Index No.: **61Y-020**	
Pollutant: **Benzene**	
Main Standard: **§61.271(c)**	
IV.	**Title V Monitoring Information**
Monitoring Type: **PM**	
CAM/PM Option No.: **PM-V-058, PM-V-059**	
V.	**Control Device Information**
Control Device ID No.: **TO-1**	
Control Device Type: **Vapor Combustor**	
VI.	**Type of Deletion**
Monitoring Requirement: **Delete**	
Control Device: **Delete**	