

Form OP-UA12 - Instructions
Fugitive Emission Unit Attributes
Texas Commission on Environmental Quality

General:

This form is used to provide a description and data pertaining to all fugitive emission units with potentially applicable requirements associated with a particular regulated entity number and application. Each table number, along with the possibility of a corresponding letter (i.e., Table 1a, Table 1b), corresponds to a certain state or federal rule. If the rule on the table is not potentially applicable to a fugitive emission unit, then it should be left blank and need not be submitted with the application. If the codes entered by the applicant show negative applicability to the rule or sections of that rule represented on the table, then the applicant does not have to complete the remainder of the table(s) that correspond to the rule. Further instruction as to which questions should be answered and which questions should not be answered are located in the “Specific” section of the instruction text. The following is included in this form:

<u>Tables 1a - 1j:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
<u>Tables 2a - 2k:</u>	Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter D, Division 3: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
<u>Tables 3a - 3j:</u>	Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart V: National Emission Standards for Equipment Leaks (Fugitive Emission Sources)
<u>Tables 4a - 4l:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006
<u>Tables 5a - 5h:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
<u>Table 6:</u>	Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart J: National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene
<u>Tables 7a - 7f:</u>	Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter D, Division 2: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties
<u>Tables 8a - 8k:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006
<u>Tables 9a - 9g:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks
<u>Table 10:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart I: National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks
<u>Tables 11a - 11c:</u>	Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart F: National Emission Standard for Vinyl Chloride
<u>Tables 12a - 12q:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

<u>Tables 13a - 13m:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
<u>Tables 14a - 14m:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins
<u>Tables 15a - 15n:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins
<u>Tables 16a - 16g:</u>	Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter H: HRVOC, Division 3: Fugitive Emissions
<u>Tables 17a - 17l:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After November 7, 2006
<u>Tables 18a - 18l:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006
<u>Tables 19a - 19p:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
<u>Tables 20a - 20o:</u>	Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015
<u>Tables 21a - 21aa:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation
<u>Table 22a - 22o:</u>	Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas
<u>Table 23a - 23i:</u>	Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

The application area name from Form OP-1 entitled, "Site Information Summary" must appear in the header of each page for the purpose of identification for the initial submittal. The date of the initial form submittal must also be included and should be consistent throughout the application (MM/DD/YYYY). Leave the permit number blank for the initial form submittal. If this form is included as part of the permit revision process, enter the permit number assigned by the TCEQ, the area name (from Form OP-1), and the date of the revision submittal.

Unit attribute questions that do not require a response from all applicants are preceded by qualification criteria in the instructions. If the unit does not meet the qualification criteria, a response to the question is not required. Anytime a response is not required based on the qualification criteria, leave the space on the form blank.

Notwithstanding any qualification criteria in the form instructions or information provided in other TCEQ guidance, the applicant may leave an attribute question blank (or indicate "N/A" for "Not Applicable") if the attribute is not needed for the applicable requirement determinations of a regulation for a unit.

In some situations, the applicant has the option of selecting alternate requirements, limitations, and/or practices for a unit. Note that these alternate requirements, limitations, and/or practices must have the required approval from the TCEQ Executive Director and/or the U.S. Environmental Protection Agency Administrator before the federal operating permit application is submitted.

The Texas Commission on Environmental Quality (TCEQ) requires that a Core Data Form be submitted on all incoming registrations unless all of the following are met: the Regulated Entity and Customer Reference Numbers have been issued by the TCEQ and no core data information has changed. The Central Registry, a common record area of the TCEQ, maintains information about TCEQ customers and regulated activities, such as company names, addresses, and telephone numbers. This information is commonly referred to as “core data.” The Central Registry provides the regulated community with a central access point within the agency to check core data and make changes when necessary.

When core data about a facility is moved to the Central Registry, two new identification numbers are assigned: the Customer Reference (CN) number and the Regulated Entity (RN) number. The Core Data Form is required if facility records are not yet part of the Central Registry or if core data for a facility has changed. If this is the initial registration, permit, or license for a facility site, then the Core Data Form must be completed and submitted with application or registration forms. If amending, modifying, or otherwise updating an existing record for a facility site, the Core Data Form is not required, unless any core data information has changed. To review additional information regarding the Central Registry, go to the TCEQ website at www.tceq.texas.gov/permitting/central_registry.

Specific:

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

- ★ **Complete Table 1 only for facilities and equipment located at an onshore natural gas processing plant as defined in 40 CFR § 60.631.**

Note: For more information regarding the definition of “onshore,” refer to the TCEQ Rule Interpretation #60LLL.02 regarding the conditions under which gas sweetening units located in marshes or bays are considered to be part of the territorial seas for purposes of determining applicability of 40 CFR Part 60, Subpart LLL.

- ★ **Complete Table 3 for sources subject to 40 CFR Part 61, Subpart V. Do not complete Table 1.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types of table below and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 40 CFR Part 60, Subpart KKK. Enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 1a. If the component type and/or applicable GOP index number are not included in the component types of table below, answer the questions below and enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 1a.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart KKK. Applicants may choose to identify the SOP index number as “60KKK-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved or for GOP applications.

Facility Type:

Select one of the following codes for the type of facility. Enter the code on the form.

Code	Description
GROUP	The group of all equipment within a process unit at an onshore natural gas processing plant
OTHER	The facility is not an affected facility as defined in 40 CFR § 60.630(a)(2) or (a)(3)

▼ **Continue only if “Facility Type” is “GROUP.”**

Construction/Modification Date:

Select one of the following codes that describes the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
84-	On or before January 20, 1984
84-11	After January 20, 1984, and on or before August 23, 2011
11+	After August 23, 2011

▼ **Continue only if “Construction/Modification Date” Is “84-11.”**

Facility Covered by 40 CFR Part 60, Subparts VV or GGG:

Enter “YES” if the facility is already covered by 40 CFR Part 60, Subparts VV or GGG. Otherwise, enter “NO.”

▼ **Continue only if “Facility Covered by 40 CFR Part 60, Subparts VV or GGG” is “NO.”**

Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components:

The columns on Tables 1a through 1i correspond to the types of fugitive unit components addressed in 40 CFR Part 60 Subpart KKK. In the row for each fugitive unit identification number, enter “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart KKK only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart KKK Fugitive Unit Component Types

Component Type	Type of Service or Control Device	GOP Index Number
Compressors	Any (Not Reciprocating in Wet Gas Service) <i>(Table 1a)</i>	511-10-007
	Reciprocating in Wet Gas Service <i>(Table 1a)</i>	511-10-006
Any Component	Vacuum Service <i>(Table 1b)</i>	511-10-002
	Non-VOC or Non-wet Gas Service <i>(Table 1b)</i>	511-10-003
Pumps	Light Liquid Service <i>(Table 1b)</i>	511-10-004
	Heavy Liquid Service <i>(Table 1c)</i>	511-10-005
Pressure Relief Devices	Gas/Vapor Service <i>(Table 1c)</i>	511-10-008
	Light Liquid Service <i>(Table 1d)</i>	511-10-009
	Heavy Liquid Service <i>(Table 1d)</i>	511-10-009
Open-ended Valves or Lines	Any <i>(Table 1e)</i>	511-10-011
Flanges and Other Connectors	Any <i>(Table 1e)</i>	511-10-014
Valves	Gas/Vapor Service <i>(Table 1f)</i>	511-10-012
	Light Liquid Service <i>(Table 1f)</i>	511-10-012
	Heavy Liquid Service <i>(Table 1g)</i>	511-10-013
Closed Vent Systems (CVS) and Control Devices	Flare <i>(Table 1g)</i>	511-10-015
	Vapor Recovery System <i>(Table 1h)</i>	511-10-016
	Enclosed Combustion Device <i>(Table 1h)</i>	511-10-017
	Closed Vent System <i>(Table 1i)</i>	511-10-018

★ Complete the Following Items, Where Appropriate.

AMEL:

An alternate means of emission limitation (AMEL), approved by the EPA Administrator under 40 CFR § 60.634, may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved under any design, equipment, work practice, or operational standard.

If any of the types of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO." The GOP applicants must leave this column blank.

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier (maximum 10 characters) for each fugitive unit. If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

2% Valves Leaking:

Enter "YES" if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0 percent. Otherwise, enter "NO." GOP applicants must leave this column blank.

Note: Enter "YES" for "Complying with 40 CFR § 60.482" unless all of those specified fugitive unit components are operating under an AMEL or if "2% Valves Leaking" is "YES."

Complying with 40 CFR § 60.482:

Some fugitive unit components have the option to comply with 40 CFR § 60.482 (This applies only to those fugitive unit components with the “Complying with 40 CFR § 60.482” column proceeding it). Enter “YES” if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2 - 4, 40 CFR §§ 60.482-6 - 8, and 40 CFR § 60.482-10. Otherwise, enter “NO.” The GOP applicants must leave this column blank.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Tables 2a - 2k: **Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter D, Division 3: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas**

★ Complete Table 2 only for:

- **Sites located in the Beaumont-Port Arthur, Bexar County, Dallas-Fort Worth, El Paso, or Houston-Galveston-Brazoria areas; and**
- **Gasoline terminals in the Beaumont-Port Arthur, Dallas-Fort Worth, or El Paso areas or a covered attainment county opting to comply with this rule as provided in § 115.214(a)(2) or § 115.214(b)(2).**
- **Marine terminals in the Houston-Galveston area opting to comply with this rule as provided in §115.214(a)(3)(F).**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types table below and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 30 TAC Chapter 115, Subchapter D. Enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 2a. If the component type and/or applicable GOP index number are not included in the component types table below, answer the questions below and enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 2a.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 30 TAC § 115.352. Applicants may choose to identify the SOP index number as “R5352-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved or for GOP applications.

TCEQ-10045 (APD-ID 30v7, Revised 04/25) OP-UA12

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V Release 07/23)

Title 30 TAC § 115.352 Applicable:

Select one of the following options to describe the applicability of this rule. Enter the code on the form.

Code	Description
PETCHEM	The site contains a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process as defined in 30 TAC § 115.10
NG	The site contains a natural gas/gasoline processing operation as defined in 30 TAC § 115.10.
GTERM	The site contains a gasoline terminal in the Beaumont/Port Arthur, Dallas/Fort Worth, or El Paso areas or a covered attainment county that is opting to comply with §§ 115.352-115.357 as provided in § 115.214(a)(2) or § 115.214(b)(2)
MTERM	The site contains a marine terminal in the Houston/Galveston area subject to § 115.214(a)(3)(F), requiring shore-based equipment to comply with §§ 115.352-115.357
NONE	The site does not contain a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, a natural gas/gasoline processing operation, a marine terminal subject to § 115.214(a)(3)(F), or a gasoline terminal complying with § 115.214(a)(2) or § 115.214(b)(2)

▼ Continue only if “Title 30 TAC § 115.352 Applicable” is “PETCHEM,” “NG,” “GTERM,” or “MTERM.”

Less Than 250 Components at Site:

Enter “YES” if the fugitive unit is located at a site with less than 250 fugitive components. Otherwise, enter “NO.”

▼ Continue only if “Less than 250 Components at Site” is “NO.”

★ Complete “Weight Percent VOC” only if “Title 30 TAC § 115.352 Applicable” is “PETCHEM” or “NG.”

Weight Percent VOC:

Select one of the following VOC weight percents of the process fluid which is in contact with the fugitive unit components. Enter the code on the form.

For petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing processes:

Code	Description
10-	All components only contact a process fluid that contains less than 10% VOC by weight
10B	Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight
10+	All components contact a process fluid that contains greater than or equal to 10% VOC by weight

For natural gas/gasoline processing operations:

Code	Description
1.0-	All components only contact a process fluid that contains less than 1.0% VOC by weight.
1.0B	Components in the fugitive unit contact process fluids that contain less than 1.0% VOC by weight and process fluids that contains VOC at 1.0%, or greater, by weight
1.0+	All components contact a process fluid that contains greater than or equal to 1.0% VOC by weight

▼ Continue only if “Weight Percent VOC” is “10B”, “10+”, “1.0B”, or “1.0+” or if “Title 30 TAC § 115.352 Applicable” is “GTERM” or “MTERM”.

Reciprocating Compressors or Positive Displacement Pumps:

Enter “YES” if the site has reciprocating compressors or positive displacement pumps used in natural gas/gasoline processing operations. Otherwise, enter “NO.”

Rupture Disks:

Enter "YES" if the site has pressure relief valves equipped with rupture disks. Otherwise, enter "NO."

Instrumentation Systems:

Enter "YES" if the site has instrumentation systems, as defined in 40 CFR § 63.161(January 17, 1997), that meet 40 CFR § 63.169 (June 20, 1996). Otherwise, enter "NO."

Sampling Connection Systems:

Enter "YES" if the site has sampling connection systems, as defined in 40 CFR § 63.161 (January 17, 1997), that meet 40 CFR § 63.169 (June 20, 1996). Otherwise, enter "NO."

TVP 0.002 PSIA or Less:

Enter "YES" if the site has components or systems that contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.002 psia at 68 degrees Fahrenheit. Otherwise, enter "NO."

Title 30 TAC § 115.352 Fugitive Unit Components:

The columns on Tables 2c through 2j correspond to the types of fugitive unit components addressed in 30 TAC § 115.352. In the row for each fugitive unit identification number, enter a "YES" in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a "NO" in the column. Indicate components subject to 30 TAC § 115.352 only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 30 TAC § 115.352 Fugitive Unit Components

Component Type	Type of Service	GOP Index Number
Process Drains (<i>Table 2c</i>)	VOC Service	511-11-009
Pressure Relief Valves(<i>Table 2d</i>)	VOC Service	511-11-008
Open-ended Valves (<i>Tables 2e</i>)	VOC Service	511-11-010
Valves (other than pressure relief and open-ended) (<i>Table 2f</i>)	VOC Service	511-11-011
Flanges or Other Connectors (<i>Table 2g</i>)	VOC Service	511-11-012
Agitators (<i>Table 2h</i>)	VOC Service	511-11-016
Compressor Seals (<i>Table 2i</i>)	VOC Service	511-11-013
Pump Seals (<i>Table 2j</i>)	VOC Service	511-11-014

★ Complete the Following Items, Where Appropriate.**Alternate Control Requirement:**

The TCEQ Executive Director may have approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement (ACR) or exemption criteria for certain fugitive unit components.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an ACR, enter "YES." Otherwise, enter "NO," (GOP applicants must enter "NO.")

ACR ID No.:

If an ACR has been approved, then enter the corresponding ACR unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 30 TAC § 115.352(1):

Enter "YES" if any of the indicated fugitive components are complying with the requirements in 30 TAC § 115.352(1). Otherwise, enter "NO."

TVP of Process Fluid VOC \leq 0.044 PSIA AT 68° F:

Enter “YES” if any of the indicated fugitive components contact a process fluid containing VOC having a true vapor pressures (TVP) less than or equal to 0.044 psia at 68 degrees Fahrenheit. Otherwise, enter “NO.”

TVP of Process Fluid VOC > 0.044 PSIA AT 68° F:

Enter “YES” if there are any of the indicated fugitive components contacting a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit. Otherwise, enter “NO.”

50% by Volume:

Enter “YES” if any of the compressors in hydrogen service and the hydrogen content can be reasonably expected to always exceed 50 percent by volume. Otherwise, enter “NO.”

Shaft Seal System:

Enter “YES” if any of the compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal. Otherwise, enter “NO.”

Components Utilizing Alternative Work Practice in § 115.358:

Enter “YES” if any of the components are utilizing the alternative work practices in §115.358. Otherwise, enter “NO.”

Note: The application should reflect that the unit is complying with 30 TAC § 115.352(1), as appropriate, unless all of those specified fugitive unit components are operating under an ACR.

Title 30 TAC § 115.352 Fugitive Unit Description:

Provide a brief description of the fugitive unit equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Tables 3a - 3j: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 61, Subpart V. Applicants may choose to identify the SOP index number as “61V-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Title 40 CFR Part 61, Subpart V Fugitive Unit Components:

The columns on Tables 3a through 3j correspond to the types of fugitive unit components addressed in 40 CFR Part 61, Subpart V. In the row for each unit identification number, enter “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 61, Subpart V only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 61, Subpart V Fugitive Unit Components

Component Type	Type of Service or Control Device
Any Component	Vacuum Service <i>(Table 3a)</i>
	VHAP Service * <i>(Table 3a)</i>
Pumps <i>(Table 3a)</i>	VHAP Service
Compressors <i>(Table 3b)</i>	VHAP Service
Pressure Relief Devices	VHAP Gas/Vapor Service <i>(Table 3c)</i>
	VHAP Liquid Service <i>(Table 3c)</i>
Sampling Connection Systems <i>(Table 3d)</i>	VHAP Service
Open-ended Valves or Lines <i>(Table 3d)</i>	VHAP Service
Valves <i>(Table 3e)</i>	VHAP Service
Flanges and Other Connectors <i>(Table 3e)</i>	VHAP Service
Product Accumulator Vessels <i>(Table 3f)</i>	VHAP Service
Closed-vent Systems and Control Devices	Vapor Recovery System <i>(Table 3g)</i>
	Enclosed Combustion Device <i>(Table 3h)</i>
	Flare <i>(Table 3i)</i>

**Volatile hazardous air pollutant (VHAP) service will indicate a piece of equipment listed in 40 CFR § 61.240(a) designed to operate in VHAP service.*

★ **Complete the Following Items, Where Appropriate.**

AMEL:

An alternate method of emission limitation (AMEL), approved by the EPA Administrator under 40 CFR § 61.244, may be used for certain fugitive unit components.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO."

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 61.242:

Some fugitive unit components have the option to comply with 40 CFR §61.242 (This applies to only those fugitive unit components with the "Complying with 40 CFR § 61.242" column preceding it). Enter "YES" if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 61.242-2 - 9, 40 CFR § 61.242-11(b) - (d), or 40 CFR § 61.242-11(f)(1), as appropriate. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 61.242" unless all of those specified fugitive unit components are operating under an AMEL.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 61, Subpart V Fugitive Unit Description:

Provide a brief description of the fugitive unit equipment (maximum 250 characters). Example descriptions include “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

★ **Complete Table 3 for sources subject to 40 CFR Part 61, Subpart V. Do not complete Table 4.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart VV. Applicants may choose to identify the SOP index number as “60VV-ALL” in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Produces Chemicals:

Enter “YES” if the facility produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489. Otherwise, enter “NO.”

▼ **Continue only if “Produces Chemicals” is “YES.”**

Affected Facility

Enter “YES” if the facility is an affected facility as defined in 40 CFR § 60.480(a)(2). Otherwise, enter “NO.”

▼ **Continue only if “Affected Facility” is “YES.”**

Construction/Modification Date:

Select one of the following codes that describes the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
81-	On or before January 5, 1981
81-06	After January 5, 1981, and before November 7, 2006
06+	After November 7, 2006

▼ Continue only if “Construction/Modification Date” is “81-06.”

Compliance Option:

Select one of the following codes that describes which provisions the owner or operator is choosing to comply with. Enter the code on the form.

Code	Description
65F	Choosing to comply with the provisions of 40 CFR Part 65, Subpart F
60VV	Choosing to comply with the provisions of 40 CFR Part 60, Subpart VV
60VVA	Choosing to comply with the provisions of 40 CFR Part 60, Subpart VVa

▼ Continue only if “Compliance Option” is “60VV.”

Design Capacity:

Select one of the following ranges to describe the design capacity. Enter the code on the form.

Code	Description
1000-	Site with a design capacity is less than 1,000 Mg/yr
1000+	Site with a design capacity is greater than or equal to 1,000 Mg/yr

▼ Continue only if “Design Capacity” is “1000+.”

Produces Heavy Liquid Chemicals:

Enter “YES” if the facility produces heavy liquid chemicals only from heavy liquid feed or raw materials. Otherwise, enter “NO.”

▼ Continue only if “Produces Heavy Liquid Chemicals” is “NO.”

Beverage Alcohol Production:

Enter “YES” if the facility produces beverage alcohol. Otherwise, enter “NO.”

▼ Continue only if “Beverage Alcohol Production” is “NO.”

Tables 4b - 4l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Equipment in VOC Service:

Enter “YES” if the facility contains equipment designed to operate in VOC service. Otherwise, enter “NO.”

▼ Continue only if “Equipment in VOC Service” is “YES.”

Vacuum Service:

Enter “YES” if the facility contains equipment in vacuum service. Otherwise, enter “NO.”

VOC Service:

Enter “YES” if the owner or operators designated the equipment as being in VOC service less than 300 hours per year. Otherwise, enter “NO.”

Title 40 CFR Part 60, Subpart VV Fugitive Unit Components:

The columns on Tables 4c through 4k correspond to the types of fugitive unit components addressed in 40 CFR Part 60, Subpart VV. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart VV only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart VV Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Vacuum Service	Equipment in Vacuum Service (<i>Table 4b</i>)
VOC Service < 300 hours per year	Equipment in VOC Service Less Than 300 Hours Per Year (<i>Table 4b</i>)
Pumps	Light Liquid Service (<i>Table 4b</i>)
	Heavy Liquid Service (<i>Table 4f</i>)
Compressors	Any (<i>Table 4c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 4c</i>)
	Light Liquid (<i>Table 4g</i>)
	Heavy Liquid Service (<i>Table 4g</i>)
Sampling Connection Systems	Any (<i>Table 4d</i>)
Open-ended Valves or Lines	Any (<i>Table 4d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 4e</i>)
	Heavy Liquid Service (<i>Table 4f</i>)
Flanges and Other Connectors	Any (<i>Table 4h</i>)
Closed-vent Systems and Control Devices	Vapor Recovery System (<i>Table 4h</i>)
	Enclosed Combustion Device (<i>Table 4i</i>)
	Flare (<i>Table 4j</i>)
	Closed Vent (or Vapor Collection) Systems (<i>Table 4k</i>)

★ **Complete the Following Items, Where Appropriate.****Equivalent Emission Limitation:**

An equivalent emission limitation (EEL), approved by the EPA Administrator under 40 CFR § 60.634, may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart VV.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter “YES.” Otherwise, enter “NO.”

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 60.482:

Some fugitive unit components have the option to comply with 40 CFR§ 60.482 (This applies to only those fugitive unit components with the “Complying with 40 CFR § 60.482” column proceeding it). Enter “YES” if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2 - 8, or 40 CFR § 60.482-10, as appropriate. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with 40 CFR § 60.482” unless all of those specified fugitive unit components are operating under an EEL.

2.0%:

Enter “YES” if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0%. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with 40 CFR § 60.482” unless all of those specified fugitive unit components are operating under an EEL or “2.0%” is “YES.”

Complying with § 60.482-4(a) - (b):

Enter “YES” if the fugitive unit includes pressure relief devices in gas/vapor service that are complying with 40 CFR § 60.482-4(a) and (b). Otherwise, enter “NO.”

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM entitled, “Individual Unit Summary.” Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 60, Subpart VV Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Tables 5a - 5h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

★ **Complete Table 5a - 5h only for facilities are involved in the manufacture of Polypropylene, Polyethylene, Polystyrene, or Poly (ethylene terephthalate).**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart DDD. Applicants may choose to identify the SOP index number as "60DDD-ALL" in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Manufactured Product:

Select one of the following options to describe the product manufactured by the affected facility. Enter the code on the form.

Code	Description
PROPYL	Polypropylene or polyethylene
STYRENE	Polystyrene
PET	Poly (ethylene terephthalate)

▼ Continue only if "Manufactured Product" is "PROPYL" or "STYRENE."

Continuous Process:

Enter "YES" if the affected facility process is continuous. Otherwise, enter "NO."

▼ Continue only if "Continuous Process" is "YES."

Construction/Modification Date:

Select one of the following options that describes the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
87-	On or before September 30, 1987
87-89	After September 30, 1987, and on or before January 10, 1989
89+	After January 10, 1989

▼ Continue only if "Construction/Modification Date" is "87-89" OR "89+."

VOC Service:

Select one of the following options that describe the equipment that comes into contact with a fluid containing <10% by weight VOC. Enter the code on the form.

Code	Description
ALL	All of the equipment comes into contact with a fluid containing <10% by weight VOC
SOME	Some of the equipment comes into contact with a fluid containing <10% by weight VOC
NONE	None of the equipment comes into contact with a fluid containing <10% by weight VOC

▼ Continue only if "VOC Service" is "SOME" or "NONE."

Design Capacity:

Select one of the following affected facility design capacities. Enter the code on the form.

Code	Description
1000-	Facility has a design capacity to produce less than 1,000 Mg/yr
1000+	Facility has a design capacity to produce greater than or equal to 1,000 Mg/yr

▼ Continue only if "Design Capacity" Is "1000+"

Equipment in Vacuum Service:

Enter “YES” if the fugitive unit contains equipment in vacuum service. Otherwise, enter “NO.”

VOC Service Less Than 300 Hours:

Enter “YES” if the owner or operators designated the equipment as being in VOC service less than 300 hours per year. Otherwise, enter “NO.”

Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components:

The columns on Tables 5b through 5e correspond to the types of fugitive unit components addressed in 40 CFR Part 60, Subpart DDD. In the row for each fugitive unit identification number, enter “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart DDD only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart DDD Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Vacuum Service	Equipment in Vacuum Service (Table 5a)
VOC Service < 300 hours per year	Equipment in VOC Service Less Than 300 Hours Per Year (Table 5a)
Pumps	Light Liquid Service (Table 5b)
	Heavy Liquid Service (Table 5b)
Flanges and Other Connectors (Table 5c)	Any
Compressors (Table 5c)	Any
Pressure Relief Devices	Gas/Vapor Service (Table 5d)
	Light Liquid or Heavy Liquid Service (Table 5d)
Sampling Connection Systems (Table 5d)	Any
Valves	Gas/Vapor or Light Liquid Service (Table 5e)
	Heavy Liquid Service (Table 5e)
Open-ended Valves or Lines (Table 5f)	Any
Closed-vent (or Vapor Collection) Systems (Table 5f)	Any
Control Devices	Vapor Recovery System (Table 5g)
	Enclosed Combustion Device (Table 5g)
	Flare (Table 5h)

★ **Complete the Following Items, Where Appropriate.**

Equivalent Emission Limitation:

An equivalent emission limitation (EEL), approved by the EPA Administrator under 40 CFR § 60.634, may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart DDD. If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter “YES.” Otherwise, enter “NO.”

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

2.0%:

Enter “YES” if the owner or operator is electing to comply with an allowable percentage of valves leaking of equal to or less than 2.0%. Otherwise, enter “NO.”

Complying with § 60.482:

Some fugitive unit components have the option to comply with 40 CFR § 60.482 (This applies only to fugitive unit components that have the “Complying with 40 CFR § 60.482” column). Enter “YES” if any of those particular fugitive unit components are complying with the requirements in 40 CFR § 60.482-2 through 40 CFR § 60.482-8, or 40 CFR § 60.482-10, as appropriate. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 60.482” unless all of the specified fugitive unit components are operating under an EEL 17Tor if “2.0%” is “YES.”

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 60, Subpart DDD Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart J: National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 61, Subpart J. Applicants may choose to identify the SOP index number as “61J-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Design Capacity:

Select one of the following ranges to describe the design capacity. Enter the code on the form.

Code	Description
1000-	Site is designed to produce or use equal to or less than 1,000 Mg/yr (1,102 tons/yr) of benzene
1000+	Site is designed to produce or use greater than 1,000 Mg/yr (1,102 tons/yr) of benzene.

▼ **Continue only if “Design Capacity” is “1000+.”**

Any Component in Benzene Service:

Enter “YES” if the facility contains any component in benzene service. Otherwise, enter “NO.”

AMEL:

Enter “YES” if the EPA Administrator has approved an alternative means of emission limitation (AMEL) that achieves a reduction in emission of benzene at least equivalent to the reduction in emissions achieved by controls required in 40 CFR Part 61, Subpart J. Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Note: If an AMEL is not used, Table 3 of this form must be completed.

Tables 7a - 7f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter D, Division 2: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 30 TAC § 115.322. Applicants may choose to identify the SOP index number as “R5322-ALL” in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

VOC Weight Percent:

Select one of the following VOC weight percents for the process fluid which the components of the fugitive unit contact. Enter the code on the form.

Code	Description
10-	Components only contact a process fluid that contains less than 10% VOC by weight
10+	Some components contact a process fluid that contains greater than or equal to 10% VOC by weight

▼ **Continue only if “VOC Weight Percent” is “10+.”**

2 Inch Valves:

Enter "YES" if any valves have a nominal size of 2 inches or less. Otherwise, enter "NO."

Title 30 TAC § 115.322 Fugitive Unit Description:

Provide a brief description of the fugitive unit equipment (maximum 250 characters). Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

Title 30 TAC § 115.322 Fugitive Unit Components:

The columns on Tables 7b through 7f correspond to the types of fugitive unit components addressed in 30 TAC § 115.322. For each row containing the fugitive unit identification number, enter "YES" in the column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a "NO" in the column. Indicate components subject to 30 TAC § 115.322 only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 30 TAC § 115.322 Fugitive Unit Component Types

Component Type	Type of Service
Pump Seals (<i>Table 7b</i>)	VOC Service
Valves (Other Than Elevated or Pressure Relief Valves) (<i>Table 7c</i>)	Gaseous VOC Service
	Liquid VOC Service
Process Drains (<i>Table 7d</i>)	VOC Service
Compressor Seals (<i>Table 7d</i>)	VOC Service
Elevated Valves (<i>Table 7e</i>)	Gaseous VOC Service
	Liquid VOC Service
Pressure Relief Valves (<i>Table 7e</i>)	Gaseous VOC Service
Connectors (<i>Table 7f</i>)	VOC Service

★ Also, complete the following items, where appropriate.

Applicable Control Requirements:

The TCEQ Executive Director may have approved an alternate method for demonstrating and documenting continuous compliance with applicable control requirements (ACR) or exemption criteria for certain fugitive unit components.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an ACR, enter "YES." Otherwise, enter "NO."

ACR ID No.:

If an ACR has been approved, enter the corresponding ACR unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 30 TAC § 115.327(3) or (5) and 30 TAC § 115.322(1):

Enter "YES" if any of the indicated fugitive components are complying with the requirements in 30 TAC § 115.327(3) or (5), and the requirements in 30 TAC § 115.322(1). Otherwise, enter "NO."

Remaining Components Complying with § 115.322(1):

Enter "YES" if any of the remaining indicated fugitive components are complying with the requirements in 30 TAC § 115.322(1). Otherwise, enter "NO."

Meets 30 TAC § 115.327(3), (5), OR (6) And 30 TAC § 115.322(1):

Enter “YES” if any of the indicated fugitive components meet the requirements in 30 TAC § 115.327(3), (5), or (6), and are complying with the requirements in 30 TAC § 115.322(1). Otherwise, enter “NO.”

Components Complying With 30 TAC § 115.358:

Enter “YES” in any components are complying with the requirements in 30 TAC § 115.358. Otherwise, enter “NO.”

Table 8a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart GGG. Applicants may choose to identify the SOP index number as “60GGG-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form and the additional requirements included on the OP-REQ3 form. Please note that this index number cannot be used if an alternative has been approved.

Construction/Modification Date:

(40 CFR Part 60, Subpart GGG) Select one of the following options that describes the date of commencement of the most recent construction or modification. Enter the code on the form.

Code	Description
83-	On/or before January 4, 1983
83+	After January 4, 1983

▼ **Continue only if “Construction/Modification Date” is “83+.”**

Affected Facility Covered by 40 CFR 60 Subparts VV or KKK:

Enter “YES” if the affected facility is subject to Title 40 CFR Part 60, Subparts VV or KKK. Otherwise, enter “NO.”

▼ **Continue only if “Affected Facility Covered by 40 CFR 60 Subparts VV or KKK” is “NO.”**

Tables 8b - 8k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart GGG Fugitive Unit Components:

The columns on Tables 8b through 8k correspond to the types of fugitive unit components addressed in 40 CFR Part 60, Subpart GGG. In the row for each fugitive unit identification number, enter a “YES” in the forms table column if the described component(s) are included in the fugitive unit. If no such component is included in the fugitive unit, enter “NO” in the table column. Indicate components subject to 40 CFR Part 60, Subpart GGG only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart GGG Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Vacuum	Facility has equipment in vacuum service. <i>(Table 8b)</i>
Pumps	Light Liquid Service <i>(Table 8b)</i>
	Heavy Liquid Service <i>(Table 8b)</i>
Compressors	Any <i>(Table 8c)</i>
	Hydrogen Service <i>(Table 8c)</i>
	Reciprocating compressors that became an affected facility under 40 CFR § 60.14 or 40 CFR § 60.15 <i>(Table 8c)</i>
Pressure Relief Devices	Gas/Vapor Service <i>(Table 8d)</i>
	Light Liquid Service <i>(Table 8d)</i>
	Heavy Liquid Service <i>(Table 8d)</i>
Sampling Connection Systems	Any <i>(Table 8e)</i>
Open-ended Valves or Lines	Any <i>(Table 8e)</i>
	Valves or Lines Containing Asphalt <i>(Table 8e)</i>
Valves	Gas/Vapor or Light Liquid Service <i>(Table 8f)</i>
	Heavy Liquid Service <i>(Table 8g)</i>
Flanges and Other Connectors	Any <i>(Table 8g)</i>
Closed-Vent Systems	Vapor Recovery System <i>(Table 8h)</i>
	Enclosed Combustion Device <i>(Table 8i)</i>
	Flare <i>(Table 8j)</i>
	Closed Vent (or Vapor Collection) System <i>(Table 8k)</i>

★ **Complete the following items, where appropriate.**

Equivalent Emission Limitation:

An equivalent emission limitation (EEL) approved by the EPA Administrator under 40 CFR § 60.592(c) may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart GGG.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter "YES." Otherwise, enter "NO."

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit. If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Alternative Compliance With § 60.483-1:

Enter "YES" if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0% under § 60.483-1a as an alternative to § 60.482-7a. Otherwise, enter "NO."

Alternative Compliance With § 60.483-2:

Enter "YES" if the owner or operator is electing to comply with the option to skip leak detection periods under § 60.483-2a as an alternative to § 60.482-7a. Otherwise, enter "NO."

Leakless Phase III Valves:

Enter "YES" if the owner or operator is electing to comply with Phase III provisions in § 63.168 (except the owner or operator may still comply with § 60.482-7a(f) for leakless valves) as an alternative to § 60.482-7a. Otherwise, enter "NO."

Complying with 40 CFR § 60.482:

Some fugitive unit components have the option to comply with 40 CFR § 60.482 (This applies to only those fugitive unit components with the "Complying with 40 CFR § 60.482" column proceeding it.). Enter "YES" if any of those particular fugitive unit components are complying with the requirements in 40 CFR § 60.482-2 - 8, or 40 CFR § 60.482-10, as appropriate. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 60.482" unless all of those specified fugitive unit components are operating under an EEL.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM entitled, "Individual Unit Summary." Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 60, Subpart GGG Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

★ **Complete only for sources subject to a 40 CFR Part 63 subpart which references 40 CFR Part 63, Subpart H.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart H. Applicants may choose to identify the SOP index number as “63H-ALL” in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Fugitive units containing surge control vessels not routed to a process or not complying with the requirements of 40 CFR § 63.119(b) or (c) must indicate closed vent system and control device requirements. Please note that this index number cannot be used if an alternative has been approved.

Equipment Type:

Enter “YES” if the fugitive unit contains equipment listed in 40 CFR § 63.160(a) which is operated in organic hazardous air pollutant service. Otherwise, enter “NO.”

▼ Continue only if “Equipment Type” is “YES.”

Non-Research and Development/Batch Processes:

Enter “YES” if the fugitive unit contains processes other than research and development facilities and bench-scale batch processes. Otherwise, enter “NO.”

▼ Continue only if “Non-Research and Development/Batch Processes” is “YES.”

Vacuum Service:

Enter “YES” if all of the equipment in the fugitive unit is in vacuum service. Otherwise, enter “NO.”

★ Continue only if “Vacuum Service” is “NO.”

Less Than 300 Operating Hours:

Enter “YES” if the fugitive unit contains any equipment in organic hazardous air pollutant (HAP) service that is intended to operate less than 300 hours per calendar year. Otherwise, enter “NO.”

★ Complete “Heavy Liquid Service” only if “Less Than 300 Operating Hours” is “YES.”

Heavy Liquid Service:

Enter “YES” if any of the equipment in organic HAP service that is intended to operate less than 300 hours per calendar year is in heavy liquid service. Otherwise, enter “NO.”

AMEL:

Enter “YES” if the fugitive unit is complying with an alternative means of emission limitation (AMEL). Otherwise, enter “NO.”

Go to Table 9c if “Alternative Means of Emission Limitation” is “NO.”

Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Enclosed-Vented Process Unit AMEL:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternate method of emission limitation (AMEL) in 40 CFR § 63.179. Otherwise, enter “NO.”

★ **Complete “Heavy Liquid Service” only if “Enclosed-Vented Process Unit AMEL” is “YES.”**

Heavy Liquid Service:

Enter “YES” if any enclosed-vented process unit complying with the AMEL in 40 CFR § 163.179 contains equipment in heavy liquid service. Otherwise, enter “NO.”

Batch Process AMEL:

Enter “YES” if the fugitive unit contains a batch process complying with the AMEL in 40 CFR § 63.178. Otherwise, enter “NO.”

★ **Complete “Pressure Test” and “Heavy Liquid Service” only if “Batch Process AMEL” is “YES.”**

Pressure Test:

Enter “YES” if the batch product process equipment train is pressure tested to demonstrate compliance with 40 CFR Part 63, Subpart H. Otherwise, enter “NO.”

Heavy Liquid Service:

Enter “YES” if any batch process complying with the AMEL in 40 CFR § 163.178 contains equipment in heavy liquid service. Otherwise, enter “NO.”

General AMEL:

Enter “YES” if the fugitive unit is complying with the AMEL in 40 CFR § 63.177. Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

★ **Complete “Heavy Liquid Service” only if “General AMEL” is “YES.”**

Heavy Liquid Service:

Enter “YES” if any fugitive unit complying with the AMEL in 40 CFR § 163.177 contains equipment in heavy liquid service. Otherwise, enter “NO.”

Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an alternative means of emission limitation in 40 CFR § 63.177, 40 CFR § 63.178, 40 CFR § 63.179. Otherwise, enter “NO.”

▼ **Continue only if “Units Without an AMEL” is “YES.”**

Tables 9c - 9f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at

www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart H Fugitive Unit Components:

The columns on Tables 9c through 9f correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart H. In the row for each fugitive unit identification number, enter “YES” in the table column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the table column. Indicate only those components which are subject to 40 CFR Part 63, Subpart H. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart H Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 9c</i>)
	Heavy Liquid Service (<i>Table 9c</i>)
Compressors	Any (<i>Table 9c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 9c</i>)
	Liquid Service (<i>Table 9c</i>)
	Heavy Liquid Service (<i>Table 9c</i>)
Sampling Connection Systems	Any (<i>Table 9c</i>)
	Heavy Liquid Service (<i>Table 9c</i>)
Open-ended Valves or Lines	Any (<i>Table 9d</i>)
	Heavy Liquid Service (<i>Table 9d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 9d</i>)
	Heavy Liquid Service (<i>Table 9d</i>)
Connectors	Gas/Vapor or Light Liquid Service (<i>Table 9d</i>)
	Heavy Liquid Service (<i>Table 9d</i>)
Agitators	Gas/Vapor or Light Liquid Service (<i>Table 9e</i>)
	Heavy Liquid Service (<i>Table 9e</i>)
Instrumentation Systems	Any (<i>Table 9e</i>)
	Heavy Liquid Service (<i>Table 9e</i>)
Surge Control Vessels or Bottom Receivers	Any (<i>Table 9e</i>)
	Heavy Liquid Service (<i>Table 9e</i>)
Closed Vent Systems	Any (<i>Table 9f</i>)
	Recovery or Recapture Devices (<i>Table 9f</i>)
	Enclosed Combustion Devices (<i>Table 9f</i>)
	Flares (<i>Table 9f</i>)

★ Complete the Following Items Only Where Appropriate.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

By-Pass Lines:

Enter “YES” if the fugitive unit contains any closed-vent systems containing by-pass lines that could divert a vent stream away from the control device and to the atmosphere. Otherwise, enter “NO.”

Unsafe to Inspect:

Enter “YES” if the fugitive unit contains any closed-vent system with parts designated as unsafe to inspect. Otherwise, enter “NO.”

Difficult to Inspect:

Enter “YES” if the fugitive unit contains any closed-vent system with parts designated as difficult to inspect. Otherwise, enter “NO.”

Employee Number:

Enter “YES” if the corporation employs fewer than 100 persons, including employees providing professional and technical contract services. Otherwise, enter “NO.”

Title 40 CFR Part 63, Subpart H Fugitive Unit Description:

Provide a brief description (maximum 250 characters) of the area containing the fugitive equipment or the grouping of equipment. Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 10: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart I: National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks

★ **Complete only for plant sites that are major sources as defined in Section 112(a) of the Federal Clean Air Act.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart I. Applicants may choose to identify the SOP index number as “63I-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Process Type:

Enter “YES” if the fugitive unit contains one of the processes listed in 40 CFR § 63.190(b)(1) - (6). Otherwise, enter “NO.”

▼ **Continue only if “Process Type” is “YES.”**

Designated HAPs:

Enter “YES” if the fugitive unit has the designated organic hazardous air pollutants (HAPs). Otherwise, enter “NO.”

▼ **Continue only if “Designated HAPs” is “YES.”**

AMEL:

An alternate means of emission limitation (AMEL) approved by the EPA Administrator under 40 CFR §63.192(h), may be used to achieve a reduction in organic HAP emissions at least equivalent to the reduction in organic HAP emissions from that source achieved under any design, equipment, work practice, or operational standard in Title 40 CFR Part 63, Subpart H. If the fugitive unit is complying with an AMEL, enter “YES.” Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier (maximum 10 characters) for each fugitive unit. If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

**Tables 11a - 11c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart F:
National Emission Standard for Vinyl Chloride**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at

www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 61, Subpart F. Applicants may choose to identify the SOP index number as “61F-ALL” in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Title 40 CFR Part 61, Subpart F Fugitive Unit Components:

The columns on Tables 11a through 11c correspond to the types of fugitive unit components addressed in 40 CFR Part 61, Subpart F. In the row for each fugitive unit identification number, enter “YES” in the table column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the table column. Indicate components subject to 40 CFR Part 61, Subpart F only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 61, Subpart F Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Relief Valves	Any (Table 11a)
Loading and Unloading	Fugitive emissions from loading or unloading lines (Table 11a)
Slip Gauges	Slip gauges from loading or unloading operations (Table 11a)
In process Wastewater Streams	Any (Table 11a)
Pumps	Rotating Pumps (Table 11a)
	Reciprocating Pumps (Table 11a)
Compressors	Rotating Compressors (Table 11a)
	Reciprocating Compressors (Table 11a)
Agitator	Any (Table 11b)
Sampling Equipment	Any (Table 11b)
Valve	Not Relief Valves or Valves on Open-ended Lines (Table 11b)
Open-ended Valves or Lines	Any (Table 11b)
Control Device	Flare (Table 11b)
	Enclosed Combustion Device (Table 11c)
	Vapor Recovery System (Table 11c)

★ Complete the Following Items Only Where Appropriate**Approved Leak Detection Plan:**

Enter “YES” if the process unit is using a vinyl chloride monitoring system for leak detection operating under a program approved by the EPA Administrator. Otherwise, enter “NO.”

Multiple Process Service Line:

Enter “YES” if there are open-ended valves or lines located on a multiple process service line that operate in vinyl chloride service less than 10% of the time and are addressed in the monitoring plan under 40 CFR § 61.65(b)(8)(i). Otherwise, enter “NO.”

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP SUM entitled, “Individual Unit Summary.” If there is no control device, then leave this column blank.

Title 40 CFR Part 61, Subpart F Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 12a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

- ★ **Complete only for plant sites that are a major source and that contain or contact one or more of the hazardous air pollutants (HAPs) listed in Table 1 of Title 40 CFR Part 63, Subpart CC.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart CC. Applicants may choose to identify the SOP index number as “63CCH-ALL”, if the unit is a new unit, or an existing unit complying using the 40 CFR Part 63, Subpart H option, or “63CCVV-ALL”, if the unit is an existing unit and complying using the 40 CFR Part 60, Subpart VV option, in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements and certain pressure relief device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information must be submitted, with control device identification numbers, on the appropriate table of the form. If pressure relief devices in liquid service and complying with 40 CFR Part 63, Subpart H; pressure relief devices in light liquid service and complying with 40 CFR Part 60, Subpart VV; or pressure relief devices in gas/vapor service (complying with either rule) are present, this information must be submitted on the appropriate table(s) of the form. Please note that this index number cannot be used if an alternative has been approved.

Existing Source:

Enter “YES” if the source is an existing source. Otherwise, enter “NO.”

- ★ **Complete “Complying With 40 CFR Part 60, Subpart VV” only if “Existing Source” is “YES.”**

Complying With 40 CFR Part 60, Subpart VV:

Enter “YES” if complying with the provisions of 40 CFR Part 60, Subpart VV. Otherwise, enter “NO.”

- ★ **Go to Table 12g if “Complying with 40 CFR Part 60, Subpart VV” is “YES.”**

AMEL:

Enter “YES” if the fugitive unit is complying with an alternative means of emission limitation (AMEL). Otherwise, enter “NO.”

- ★ **Go to Table 12c if “Alternative Means of Emission Limitation” is “NO.”**

Table 12b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Enclosed-Vented Process Unit AMEL:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternative means of emission limitation (AMEL) in 40 CFR § 63.179. Otherwise, enter “NO.”

★ **Complete “Heavy Liquid Service” only if “Enclosed-Vented Process Unit AMEL” is “YES.”**

Heavy Liquid Service:

Enter “YES” if any enclosed-vented process unit complying with the AMEL in 40 CFR § 163.179 contains equipment in heavy liquid service. Otherwise, enter “NO.”

General AMEL:

Enter “YES” if the fugitive unit is complying with the AMEL in 40 CFR § 63.177. Otherwise, enter “NO.”

★ **Complete “Heavy Liquid Service” only if “General AMEL” is “YES.”**

Heavy Liquid Service:

Enter “YES” if the fugitive unit complying with the AMEL in 40 CFR § 163.177 contains equipment in heavy liquid service. Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit. If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an AMEL limitation in 40 CFR § 63.177 or 40 CFR § 63.179. Otherwise, enter “NO.”

▼ **Continue only if “Units Without an AMEL” is “YES.”**

Tables 12c - 12f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart CC Fugitive Unit Components Complying With MACT H:

The columns on Tables 12c through 12f correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart CC that are complying with 40 CFR Part 63, Subpart H. In the row for each fugitive unit identification number, enter “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the table column. Indicate components subject to 40 CFR Part 63, Subpart CC only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart CC Fugitive Unit Components Complying With MACT H

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 12c</i>)
Non-Reciprocating Pumps	Heavy Liquid Service (<i>Table 12c</i>)
Compressors	Hydrogen Service (<i>Table 12c</i>)
	Not in Hydrogen Service (<i>Table 12c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 12c, with additional questions on Table 12p</i>)
	Liquid Service (<i>Table 12c, with additional questions on Table 12q</i>)
Sampling Connection Systems	Any (<i>Table 12c</i>)
	Heavy Liquid Service (<i>Table 12c</i>)
Open-ended Valves or Lines	Any (<i>Table 12d</i>)
	Heavy Liquid Service (<i>Table 12d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 12d</i>)
	Heavy Liquid Service (<i>Table 12d</i>)
Connectors	Gas/Vapor or Light Liquid Service (<i>Table 12d</i>)
	Heavy Liquid Service (<i>Table 12d</i>)
Instrumentation Systems	Any (<i>Table 12e</i>)
Closed Vent Systems	Any (<i>Table 12e</i>)
	Recovery or Recapture Devices (<i>Table 12e</i>)
	Enclosed Combustion Devices (<i>Table 12f</i>)
	Flares (<i>Table 12f</i>)

★ Complete the Following Items Where Appropriate.

Monitoring Connectors:

Enter “YES” if monitoring connectors according to the provisions of 40 CFR § 63.649. Otherwise, enter “NO.”

Leakless Phase III Valves:

Enter “YES” if any valves have been designated as being leakless in phase III of the valve standard. Otherwise, enter “NO.”

Monitoring Valves:

Enter “YES” if monitoring valves in accordance with 40 CFR § 63.648(c)(2)(ii). Otherwise, enter “NO.”

Subpart H Program:

Enter “YES” if implementing the Subpart H program (a program to comply with the provisions in 40 CFR § 63.174). Otherwise, enter “NO.”

Random 200:

Enter “YES” if implementing the random 200 connector alternative. Otherwise, enter “NO.”

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Bypass Lines:

Enter "YES" if the fugitive unit contains any closed-vent systems containing bypass lines that could divert a vent stream away from the control device and to the atmosphere. Otherwise, enter "NO."

Unsafe to Inspect:

Enter "YES" if the fugitive unit contains any closed-vent system with parts designated as unsafe to inspect. Otherwise, enter "NO."

Difficult to Inspect:

Enter "YES" if the fugitive unit contains any closed-vent system with parts designated as difficult to inspect. Otherwise, enter "NO."

- ★ If "Pressure Relief Devices – Gas/Vapor Service" is "YES," complete Table 12p in addition to Table 12c.
- ★ If "Pressure Relief Devices – Liquid Service" is "YES," complete Table 12q in addition to Table 12c.

Tables 12g - 12o: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries

- ★ Complete Tables 12g – 12o only for equipment in organic HAP service, complying with 40 CFR Part 60, Subpart VV.

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart CC Fugitive Unit Components Complying with NSPS VV:

The columns on Tables 12g through 12p correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart CC that are complying with 40 CFR Part 60, Subpart VV. In the row for each fugitive unit identification number, enter "YES" in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter "NO" in the table column. Indicate components subject to 40 CFR Part 63, Subpart CC only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart CC Fugitive Unit Components Complying With NSPS VV

Component Type	Type of Service or Control Device
Vacuum Service (<i>Table 12g</i>)	Facility Has Equipment in Vacuum Service
Pumps	Light Liquid Service (<i>Table 12g</i>)
	Heavy Liquid Service (<i>Table 12g</i>)
Compressors	Hydrogen Service(<i>Table 12h</i>)
	Not in Hydrogen Service (<i>Table 12h</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 12i, with additional questions on Table 12p</i>)
	Light Liquid Service (<i>Table 12i, with additional questions on Table 12q</i>)
	Heavy Liquid Service (<i>Table 12j</i>)
Sampling Connection Systems (<i>Table 12j</i>)	Any
Open-ended Valves or Lines (<i>Table 12k</i>)	Any
Valves	Gas/Vapor or Light Liquid Service (<i>Table 12k</i>)
	Heavy Liquid Service (<i>Table 12l</i>)
Flanges and Other Connectors (<i>Table 12l</i>)	Any
Closed-vent Systems and Control Devices	Vapor Recovery System (<i>Table 12m</i>)
	Enclosed Combustion Device (<i>Table 12n</i>)
	Flare (<i>Table 12o</i>)
	Closed Vent (or Vapor Collection) Systems (<i>Table 12o</i>)

★ Complete the Following Items, Where Appropriate.

Equivalent Emission Limitation:

An equivalent emission limitation (EEL), approved by the EPA Administrator under 40 CFR § 60.484, may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart VV.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter "YES." Otherwise, enter "NO."

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 60.482:

Some fugitive unit components have the option to comply with 40 CFR § 60.482 (This applies to only those fugitive unit components with the "Complying with 40 CFR § 60.482" column preceding it). Enter "YES" if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2 - 8, or 40 CFR § 60.482-10, as appropriate. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 60.482" unless all of those specified fugitive unit components are operating under an EEL.

2.0%:

Enter “YES” if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0%. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with 40 CFR § 60.482” unless all of those specified fugitive unit components are operating under an EEL or “2.0%” is “YES.”

Complying With § 60.482-4(a)-(b):

Enter “YES” if the fugitive unit includes pressure relief devices complying with 40 CFR § 60.482-4(a) and (b). Otherwise, enter “NO.”

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

- ★ If “Pressure Relief Devices – Gas/Vapor Service” is “YES,” complete Table 12p in addition to Table 12i.
- ★ If “Pressure Relief Devices – Light Liquid Service” and “Complying With § 60.482-8” are both “YES,” complete Table 12q in addition to Table 12i.

**Table 12p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC:
National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**

- ★ Complete Table 12p only if “Pressure Relief Devices – Gas/Vapor Service” on Table 12c or Table 12i is “YES.”

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Routing to Control:

Enter “YES” if all leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i). Otherwise, enter “NO.”

- ★ Complete “§63.648(j)(5) Exemptions” only if “Routing to Control” is “NO.”

§63.648(j)(5) Exemptions:

Enter “YES” if the pressure relief device meets any conditions in § 63.648(j)(5)(ii)-(vi). Otherwise, enter “NO.”

- ★ Go to Table 12q if “§63.648(j)(5) Exemptions” is “YES.”
- ★ Complete “Pilot-Operated PRD” only if “Routing to Control” and “§63.648(j)(5) Exemptions” are “NO.”

Pilot-Operated PRD:

Enter “YES” if a pilot-operated pressure relief device is used and controlled as described in § 63.648(j)(4)(ii). Otherwise, enter “NO.”

- ★ Complete “Balanced Bellows PRD” only if “Pilot-Operated PRD” is “NO.”

Balanced Bellows PRD:

Enter “YES” if a balanced bellows pressure relied on device is used and controlled as described in §63.648(j)(4)(iii). Otherwise, enter “NO.”

- ★ Go to Table 12q if “Routing to Control”, “Pilot-Operated PRD,” and “Balanced Bellows PRD” are all “NO.”

- ★ Complete “Control Device Type” only if “Routing to Control,” “Pilot-Operated PRD,” or “Balanced Bellows PRD” is “YES.”

Control Device Type:

Select one of the following options for the type of control device. Enter the code on the form.

Code	Description
PROCESS	All releases and potential leaks from a pressure relief device are routed back into the process
FUEL	All releases and potential leaks from a pressure relief device are routed to a fuel gas system
FLARE	Flare
CATINC	Catalytic incinerator
INCIN	Incinerator other than a catalytic incinerator
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW where the vent stream is not introduced into the flame zone
BPH44+	Boiler or process heater with a design heat input capacity of greater than or equal to 44 MW or boiler or process heater in which all vent streams are introduced into the flame zone
OTHER	Prior approval has been received to use a control device other than an incinerator, boiler, process heater, or flare

Control Device ID No.:

If applicable, enter the identification number for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM “Individual Unit Summary.” If there is no control device, then leave this column blank.

- ★ Go to Table 12q if “Control Device Type” is “PROCESS,” “FUEL,” or “OTHER.”
- ★ Complete “Alternate Parameter Monitoring” only if “Control Device Type” is “CATINC,” “INCIN,” “BPH44-,” or “BPH44+.”

Alternate Parameter Monitoring:

Enter “YES” if approval was obtained to monitor an alternate parameter to those specified in § 63.644(a). Otherwise, enter “NO.”

- ★ Complete “Continuous Operating Parameter Alternative” only if “Alternate Parameter Monitoring” is “NO” or if “Control Device Type” is “FLARE.”

Continuous Operating Parameter Alternative:

Enter “YES” if an approved alternative to the continuous operating parameter provisions of § 63.655(i) is used. Otherwise, enter “NO.”

- ★ Go to Table 12q if “Continuous Operating Parameter Alternative” is “NO.”

- ★ Complete “Alternate ID No.” only if “Alternate Parameter Monitoring” is “YES” or “Continuous Operating Parameter Alternative” is “YES.”

Alternate ID No.:

If an alternate has been approved, then enter the corresponding alternate unique identifier for each unit or process (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the alternate approval letter. The unique identifier and/or the date of the approval letter are contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

- ★ Complete “Automated Data Recording” only if “Continuous Operating Parameter Alternative” is “YES.”

Automated Data Recording:

Enter “YES” if prior approval was obtained to use an automated data compression recording system. Otherwise, enter “NO.”

Table 12q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

- ★ Complete the final question on Table 12q, “Title 40 CFR Part 63, Subpart CC Fugitive Unit Description,” for all fugitive units.
- ★ Complete the other questions on Table 12q only if “Pressure Relief Devices – Liquid Service” on Table 12c is “YES,” or if both “Pressure Relief Devices – Light Liquid Service” and “Complying with §60.482-8” on Table 12i are “YES.”

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

§63.648(j)(5) Exemptions:

Enter “YES” if the pressure relief device meets any conditions in § 63.648(j)(5)(ii)-(vi). Otherwise, enter “NO.”

- ★ Complete “Routing to Control” only if “§63.648(j)(5) Exemptions” is “NO.”

Routing to Control:

Enter “YES” if all leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i). Otherwise, enter “NO.”

- ★ **Complete “Control Device Type” only if “Routing to Control” is “YES.”**

Control Device Type:

Select one of the following options for the type of control device. Enter the code on the form.

Code	Description
PROCESS	All releases and potential leaks from a pressure relief device are routed back into the process
FUEL	All releases and potential leaks from a pressure relief device are routed to a fuel gas system
FLARE	Flare
CATINC	Catalytic incinerator
INCIN	Incinerator other than a catalytic incinerator
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW where the vent stream is not introduced into the flame zone
BPH44+	Boiler or process heater with a design heat input capacity of greater than or equal to 44 MW or boiler or process heater in which all vent streams are introduced into the flame zone
OTHER	Prior approval has been received to use a control device other than an incinerator, boiler, process heater, or flare

Control Device ID No.:

If applicable, enter the identification number for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM “Individual Unit Summary.” If there is no control device, then leave this column blank.

- ★ **Complete “Alternate Parameter Monitoring” only if “Control Device Type” is “CATINC,” “INCIN,” “BPH44-,” or “BPH44+.”**

Alternate Parameter Monitoring:

Enter “YES” if approval was obtained to monitor an alternate parameter to those specified in § 63.644(a). Otherwise, enter “NO.”

- ★ **Complete “Continuous Operating Parameter Alternative” only if “Alternate Parameter Monitoring” is “NO” or if “Control Device Type” is “FLARE.”**

Continuous Operating Parameter Alternative:

Enter “YES” if an approved alternative to the continuous operating parameter provisions of § 63.655(i) is used. Otherwise, enter “NO.”

- ★ **Complete “Alternate ID No.” only if “Alternate Parameter Monitoring” is “YES” or “Continuous Operating Parameter Alternative” is “YES.”**

Alternate ID No.:

If an alternate has been approved, then enter the corresponding alternate unique identifier for each unit or process (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the alternate approval letter. The unique identifier and/or the date of the approval letter are contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

- ★ **Complete “Automated Data Recording” only if “Continuous Operating Parameter Alternative” is “YES.”**

Automated Data Recording:

Enter “YES” if prior approval was obtained to use an automated data compression recording system. Otherwise, enter “NO.”

Title 40 CFR Part 63, Subpart CC Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Tables 13a - 13m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart HH: National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

★ **Complete Tables 13a - 13m for the following types of equipment, located at natural gas processing plants meeting the 40 CFR §63.761 definition of a major source of HAPs that meet the criteria specified in 40 CFR § 63.760(a)(1) and either 40 CFR § 63.760(a)(2) or (a)(3), but not meeting an exemption specified in 40 CFR § 63.760(e):**

- **ancillary equipment**
- **compressors**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types of table below and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 40 CFR Part 63, Subpart HH. Enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 13a. If the component type and/or applicable GOP index number are not included in the component types of table below, answer the questions below and enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 13a.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart HH. Applicants may choose to identify the SOP index number as “63HH-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information must be submitted, with control device identification numbers, on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved, if the fugitive unit is located at a non-fractionating plant with a capacity of less than 283,000 standard cubic meters per day or at a non-fractionating plant with pressure relief valves monitored only by non-facility personnel.

AMEL (Alternate Means of Emission Limitation):

Enter “YES” if the EPA Administrator has approved an AMEL in accordance with 40 CFR § 63.777. Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, then enter the corresponding AMEL unique identifier for each unit. If the unique identifier is unavailable then enter the date of the AMEL approval. The unique identifier and/or the date of the approval letter is contained in the compliance file under the appropriate account number. Otherwise, leave this column blank.

▼ **Continue only if “Alternate Means of Emission Limitation” is “NO.”**

Subject to Another Regulation:

Select one of the following options for the regulation that the fugitive unit is subject to and controlled under. Enter the code on the form.

Code	Description
NSPS-OOOO	Subject to and controlled under the provisions of 40 CFR part 60, Subpart OOOO
NESHAP-V	Subject to and controlled under the provisions of 40 CFR part 61, Subpart V
MACT-H	Subject to and controlled under the provisions of 40 CFR part 63, Subpart H
NONE	Not subject to and controlled under any of the above regulations

▼ **Continue only if “Subject to Another Regulation” is “NONE.”**

VHAP Weight Percent:

Select one of the following options that describes the volatile hazardous air pollutant (VHAP) weight percent of the fluid (liquid or gas) which the ancillary equipment or compressors contain. Enter the code on the form.

Code	Description
10-	Ancillary equipment or compressors contact fluid that is less than 10 % VHAP
10+	Ancillary equipment or compressors contact fluid that is more than or equal to 10 % VHAP

Less Than 300 Operating Hours:

Enter “YES” if any of the ancillary equipment or compressors operates in VHAP service less than 300 hours per calendar year. Otherwise, enter “NO.”

Vacuum Service:

Enter “YES” if the fugitive unit contains equipment in vacuum service. Otherwise, enter “NO.”

Sampling Connection Systems:

Enter “YES” if the ancillary equipment includes sampling connection systems. Otherwise enter “NO.”

Title 40 CFR Part 63, Subpart HH Fugitive Unit Components:

The columns on Tables 13b through 13m correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart HH. In the row for each unit identification number, enter “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart HH only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart HH Fugitive Unit Component Types

Component Type	Type of Service or Control Device	GOP Index Number
Any Component	Vacuum Service (<i>Table 13a</i>)	511-03-004 512-03-004 513-03-004 514-03-004
Sampling Connection Systems	Any (<i>Table 13a</i>)	511-03-005 512-03-005 513-03-005 514-03-005
Pumps	Located at a nonfractionating plant with a design capacity < 283,000 scm/day (<i>Table 13b</i>)	511-03-006 512-03-006 513-03-006 514-03-006
	Located at a nonfractionating plant with a design capacity > 283,000 scm/day (<i>Table 13b</i>)	511-03-007 512-03-007 513-03-007 514-03-007
Compressors	Reciprocating compressor in wet gas service (<i>Table 13c</i>)	511-03-008 512-03-008 513-03-008 514-03-008
	Other VHAP service (<i>Table 13c</i>)	511-03-009 512-03-009 513-03-009 514-03-009
Pressure Relief Devices	In gas/vapor service, located at a nonfractionating plant monitored only by non-facility personnel (<i>Table 13d</i>)	511-03-010 512-03-010 513-03-010 514-03-010
	In gas/vapor service, located at a nonfractionating plant with a design capacity < 283,000 scm/day (<i>Table 13d</i>)	511-03-011 512-03-011 513-03-011 514-03-011

Title 40 CFR Part 63, Subpart HH Fugitive Unit Component Types (*continued*)

Component Type	Type of Service or Control Device	GOP Index Number
Pressure Relief Devices	In gas/vapor service, located at a nonfractionating plant with a design capacity > 283,000 scm/day or at a fractionation plant (<i>Table 13d</i>)	511-03-012
		512-03-012
		513-03-012
		514-03-012
	In liquid service (<i>Table 13e</i>)	511-03-016
		512-03-016
		513-03-016
		514-03-016
Open-ended Valves or Lines	VHAP Service (<i>Table 13f</i>)	511-03-013 512-03-013 513-03-013 514-03-013
Valves	In gas/vapor service, located at a nonfractionating plant with a design capacity < 283,000 scm/day (<i>Table 13g</i>)	511-03-014 512-03-014 513-03-014 514-03-014
	In gas/vapor service, located at a nonfractionating plant with a design capacity > 283,000 scm/day or at a fractionation plant (<i>Table 13g</i>)	511-03-015 512-03-015 513-03-015 514-03-015
Flanges and Other Connectors	VHAP Service (<i>Table 13h</i>)	511-03-016 512-03-016 513-03-016 514-03-016
Product Accumulator Vessels	VHAP Service (<i>Table 13i</i>)	511-03-017 512-03-017 513-03-017 514-03-017

Title 40 CFR Part 63, Subpart HH Fugitive Unit Component Types (*continued*)

Component Type	Type of Service or Control Device	GOP Index Number
Closed-vent Systems and Control Devices	Vapor Recovery System (<i>Table 13j</i>)	511-03-018
		512-03-018
		513-03-018
		514-03-018
	Enclosed Combustion Device (<i>Table 13k</i>)	511-03-019
		512-03-019
		513-03-019
		514-03-019
	Flare (<i>Table 13l</i>)	511-03-020
		512-03-020
		513-03-020
		514-03-020
	Closed-Vent Systems (<i>Table 13m</i>)	511-03-021
		512-03-021
		513-03-021
		514-03-021

★ Complete the Following Items, Where Appropriate.

Relief Device Monitoring:

Enter “YES” if the pressure relief devices in gas/vapor service are located in a nonfractionating facility that is monitored only by non-facility personnel.

Design Capacity Less Than 283,000:

Enter “YES” if the pumps, valves in gas/vapor or light liquid service, or pressure relief devices in gas/vapor service, as applicable, are located at a nonfractionating plant with a design capacity less than 283,000 scm/day of field gas. Otherwise, enter “NO.”

Reciprocating Compressors in Wet Gas Service:

Enter “YES” if all compressors in the fugitive unit are reciprocating compressors in wet gas service. Otherwise, enter “NO.”

AMEL:

For the indicated fugitive unit component types, if any piece of equipment of that type is complying with an alternate means of emission limitation (AMEL), approved by the EPA Administrator under 40 CFR § 61.244, enter “YES”. Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 61.242:

For the indicated fugitive unit component types, if any piece of equipment of that type is complying with the requirements in 40 CFR §§ 61.242-2 through 242-4, 40 CFR §§ 61.242-6 through 242-9, 40 CFR § 61.242-11(b) - (d), or 40 CFR § 61.242-11(f)(1), as appropriate, enter "YES." Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 61.242" unless:

- *all equipment of the specified fugitive unit component type is operating under an AMEL, or*
- *"Design Capacity Less than 283,000," "Relief Device Monitoring," or "Reciprocating Compressors in Wet Gas Service" is "YES"*

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 63, Subpart HH Fugitive Unit Description:

Provide a brief description of the fugitive unit equipment (maximum 250 characters). Descriptions include "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart U: National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

★ **Complete only for sources subject 40 CFR Part 63, Subpart U.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart U. Applicants may choose to identify the SOP index number as "63U-ALL" in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Fugitive units containing surge control vessels not routed to a process or not complying with the requirements of 40 CFR § 63.119(b) or (c) must indicate closed vent system and control device requirements. Please note that this index number cannot be used if an alternative has been approved.

Equipment Type:

Enter "YES" if the fugitive unit contains equipment as defined 40 CFR § 63.482 which is operated in hazardous air pollutant service. Otherwise, enter "NO."

▼ **Continue only if "Equipment Type" is "YES."**

Vacuum Service:

Enter "YES" if all of the equipment in the fugitive unit is in vacuum service. Otherwise, enter "NO."

▼ **Continue only if "Vacuum Service" is "NO."**

Enclosed-Vented Process Unit AMEL:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternate method of emission limitation (AMEL) in 40 CFR § 63.179. Otherwise, enter “NO.”

Batch Process AMEL:

Enter “YES” if the fugitive unit contains a batch process complying with the AMEL in 40 CFR § 63.178. Otherwise, enter “NO.”

★ **Complete “Pressure Test” and “Heavy Liquid Service” only if “Batch Process AMEL” is “YES.”**

Pressure Test:

Enter “YES” if the batch product process equipment train is pressure tested to demonstrate compliance with 40 CFR Part 63, Subpart H. Otherwise, enter “NO.”

Heavy Liquid Service:

Enter “YES” if any batch process complying with the AMEL in 40 CFR § 63.178 contains equipment in heavy liquid service. Otherwise, enter “NO.”

▼ **Continue only if the fugitive unit contains equipment not complying with either of the AMELs in 40 CFR §§ 63.178 or 63.179.**

**Tables 14b - 14m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart U:
National Emission Standards for Hazardous Air Pollutant Emissions: Group I
Polymers and Resins**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart U Fugitive Unit Components:

The columns on Tables 14b through 14m correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart U. In the row for each fugitive unit identification number, enter “YES” in the table column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the table column. Indicate only those components which are subject to 40 CFR Part 63, Subpart U. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart U Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 14b</i>)
	Heavy Liquid Service (<i>Table 14e</i>)
Compressors	Any (<i>Table 14b</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 14c</i>)
	Liquid Service (<i>Table 14g</i>)
Sampling Connection Systems	Any (<i>Table 14c</i>)
Open-ended Valves or Lines	Any (<i>Table 14d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 14d</i>)
	Heavy Liquid Service (<i>Table 14e</i>)
Connectors	Gas/Vapor or Light Liquid Service (<i>Table 14i</i>)
	Heavy Liquid Service (<i>Table 14f</i>)
Agitators	Gas/Vapor or Light Liquid Service 17T(<i>Table 14i</i>)
	Heavy Liquid Service (<i>Table 14f</i>)
Instrumentation Systems	Any (<i>Table 14g</i>)
Surge Control Vessels or Bottom Receivers	Any (<i>Table 14h</i>)
Closed Vent Systems	Any (<i>Table 14j</i>)
	Recovery or Recapture Devices (<i>Table 14k</i>)
	Enclosed Combustion Devices (<i>Table 14l</i>)
	Flares (<i>Table 14m</i>)

★ Complete “AMEL” for each component type for which the fugitive unit has equipment.

AMEL:

For the indicated fugitive unit component types, if any of the equipment of a type is complying with the AMEL in 40 CFR § 63.177, enter “YES.” Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 63.163 through § 63.169 or § 63.172 through § 63.174:

For the indicated fugitive unit component types, if any piece of equipment of that type is complying with the requirements in 40 CFR §§ 63.163 through 63.169 or 40 CFR §§ 63.172 through 63.174, as appropriate, enter "YES." Otherwise, enter “NO.”

- ★ **Complete “§ 63.502(b)(1)-(7) Criteria” only if the fugitive unit has surge control vessels or bottoms receivers.**

§ 63.502(b)(1)-(7) Criteria:

Enter “YES” if the fugitive unit has surge control vessels or bottoms receivers that do not meet the exemption criteria of 40 CFR § 63.502(b)(1)-(7). Otherwise, enter “NO.”

- ★ **Complete “Vapor Pressure Criteria” only if “§ 63.502(b)(1)-(7) Criteria” is “YES.”**

Vapor Pressure Criteria:

Enter “YES” if the fugitive unit has surge control vessels or bottoms receivers that operate at vapor pressures equal to or greater than the vapor pressures in 40 CFR Part 63, Subpart H, Tables 2 and 3. Otherwise, enter “NO.”

- ★ **Complete “Compliance with § 63.119(b) or (c)” only if “Vapor Pressure Criteria” is “YES.”**

Compliance With § 63.119(b) or (c):

Enter “YES” if the fugitive unit has surge control vessels or bottoms receivers that do not comply with the requirements of 40 CFR § 63.119(b) or (c). Otherwise, enter “NO.”

- ★ **Complete “Routed to Process” only if “Compliance with § 63.119(b) or (c)” is “YES.”**

Routed To Process:

Enter “YES” if the fugitive unit has surge control vessels or bottoms receivers that are not routed back to a process. Otherwise, enter “NO.”

Heat Exchange Systems:

Enter “YES” if the fugitive unit contains heat exchange systems subject to 40 CFR § 63.502. Otherwise, enter “NO.”

- ★ **Complete “Subpart Compliance” only if “Heat Exchange Systems” is “YES.”**

Subpart Compliance:

Enter “YES” if the heat exchange systems are subject to and complying with the requirements of 40 CFR Part 63, Subpart F, or a subpart, other than 40 CFR Part 63, Subpart U, that requires compliance with 40 CFR § 63.104. Otherwise, enter “NO.”

- ★ **Complete “Cooling Water Monitored” only if “Subpart Compliance” is “NO.”**

Cooling Water Monitored:

Enter “YES” if cooling water is being monitored for the presence of HAPs. Otherwise, enter “NO.”

- ★ **Complete “Control Device ID No.” only if the fugitive unit is using control devices for control of emissions.**

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM (Individual Unit Summary). Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Title 40 CFR Part 63, Subpart U Fugitive Unit Description:

Provide a brief description (maximum 250 characters) of the area containing the fugitive equipment or the grouping of equipment. Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 15a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

- ★ **Complete Tables 15a through 15n only for fugitive units that contain a Thermoplastic Product Process Unit (TPPU) subject to 40 CFR Part 63, Subpart JJJ.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at

www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart JJJ. Applicants may choose to identify the SOP index number as “63JJJ-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information must be submitted, with control device identification numbers, on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Equipment Type:

Enter “YES” if the fugitive unit contains equipment as defined 40 CFR § 63.1312 which is operated in hazardous air pollutant service. Otherwise, enter “NO.”

- ▼ **Continue only if “Equipment Type” is “YES.”**

Product Produced:

Enter “YES” if the product produced by the TPPU is Polyethylene Terephthalate (PET). Otherwise, enter “NO.”

- ★ **Complete “Process Type” only if “Product Produced” is “YES.” If “Product Produced” is “NO,” go to Table 15b.**

Process Type:

Enter “YES” if PET is produced using a continuous terephthalic acid (TPA) high viscosity multiple end finisher process. Otherwise, enter “NO.”

- ▼ **Do not Continue if “Product Produced” is “YES” and “Process Type” is “NO.”**

- ★ **Complete “Vacuum Service” only if “Product Produced” is “YES” and “Process Type” is “YES.”**

Vacuum Service:

Enter “YES” if all of the equipment in the fugitive unit is in either vacuum service or heavy liquid service. Otherwise, enter “NO.”

- ▼ **Continue only if “Vacuum Service” is “NO.”**

Table 15b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Enclosed-Vented Process Unit AMEL:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternate method of emission limitation (AMEL) in 40 CFR § 63.179. Otherwise, enter “NO.”

Batch Process AMEL:

Enter “YES” if the fugitive unit contains a batch process complying with the AMEL in 40 CFR § 63.178. Otherwise, enter “NO.”

★ **Complete “Pressure Test” and “Heavy Liquid Service” only if “Batch Process AMEL” is “YES.”**

Pressure Test:

Enter “YES” if the batch product process equipment train is pressure tested to demonstrate compliance with 40 CFR Part 63, Subpart H. Otherwise, enter “NO.”

Heavy Liquid Service:

Enter “YES” if any batch process complying with the AMEL in 40 CFR § 63.178 contains equipment in heavy liquid service. Otherwise, enter “NO.”

▼ **Continue only if the fugitive unit contains equipment not complying with either of the AMELs in 40 CFR §§ 63.178 or 63.179.**

Tables 15c - 15n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart JJJ Fugitive Unit Components:

The columns on Tables 15c through 15n correspond to the types of fugitive unit components addressed in 40 CFR Part 63, Subpart JJJ. In the row for each fugitive unit identification number, enter “YES” in the table column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter “NO” in the table column. Indicate only those components which are subject to 40 CFR Part 63, Subpart JJJ. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart JJJ Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 15c</i>)
	Heavy Liquid Service (<i>Table 15f</i>)
Compressors	Any (<i>Table 15c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 15d</i>)
	Liquid Service (<i>Table 15h</i>)
Sampling Connection Systems	Any (<i>Table 15d</i>)
Open-ended Valves or Lines	Any (<i>Table 15e</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 15e</i>)
	Heavy Liquid Service (<i>Table 15f</i>)
Connectors	Gas/Vapor or Light Liquid Service (<i>Table 15j</i>)
	Heavy Liquid Service (<i>Table 15g</i>)
Agitators	Gas/Vapor or Light Liquid Service (<i>Table 15j</i>)
	Heavy Liquid Service (<i>Table 15g</i>)
Instrumentation Systems	Any (<i>Table 15h</i>)
Surge Control Vessels or Bottom Receivers	Any (<i>Table 15i</i>)
Closed Vent Systems	Any (<i>Table 15k</i>)
	Recovery or Recapture Devices (<i>Table 15l</i>)
	Enclosed Combustion Devices (<i>Table 15m</i>)
	Flares (<i>Table 15n</i>)

★ **Complete “AMEL” for each component type for which the fugitive unit has equipment.**

AMEL:

For the indicated fugitive unit component types, if any of the equipment of a type is complying with the AMEL in 40 CFR § 63.177, enter “YES.” Otherwise, enter “NO.”

AMEL ID No.:

If an AMEL has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 40 CFR § 63.163 through § 63.169 or § 63.172 through § 63.174:

For the indicated fugitive unit component types, if any piece of equipment of that type is complying with the requirements in 40 CFR §§ 63.163 through 63.169 or 40 CFR §§ 63.172 through 63.174, as appropriate, enter "YES." Otherwise, enter "NO."

★ **Complete "Vapor Pressure Criteria" only if the fugitive unit has surge control vessels or bottoms receivers.**

Vapor Pressure Criteria:

Enter "YES" if the fugitive unit has surge control vessels or bottoms receivers that operate at vapor pressures equal to or greater than the vapor pressures in 40 CFR Part 63, Subpart H, Tables 2 and 3. Otherwise, enter "NO."

★ **Complete "Compliance with § 63.119(b) or (c)" only if "Vapor Pressure Criteria" is "YES."**

Compliance With § 63.119(b) or (c):

Enter "YES" if the fugitive unit has surge control vessels or bottoms receivers that do not comply with the requirements of 40 CFR § 63.119(b) or (c). Otherwise, enter "NO."

★ **Complete "Routed to Process" only if "Compliance with § 63.119(b) or (c)" is "YES."**

Routed to Process:

Enter "YES" if the fugitive unit has surge control vessels or bottoms receivers that are not routed back to a process. Otherwise, enter "NO."

Title 40 CFR Part 63, Subpart JJJ Fugitive Unit Description:

Provide a brief description (maximum 250 characters) of the area containing the fugitive equipment or the grouping of equipment. Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

**Tables 16a - 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115),
Subchapter H: HRVOC, Division 3: Fugitive Emissions**

★ **Complete Table 16 only for sites located in the Houston/Galveston/Brazoria area.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types of table below and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 30 TAC Chapter 115, Subchapter H. Enter the "Unit ID No." and the applicable GOP Index Numbers on Table 16a. If the component type and/or applicable GOP index number are not included in the component types of table below, answer the questions below and enter the "Unit ID No." and the applicable GOP Index Numbers on Table 16a.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 30 TAC § 115.780 Applicants may choose to identify the SOP index number as "R5780-ALL" in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved for GOPs.

Title 30 TAC § 115.780 Applicable:

Enter “YES” if the site contains a process unit or process within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or natural gas/gasoline processing operation, in which a highly-reactive volatile organic compound (HRVOC) is a raw material, intermediate, final product, or in a waste stream. Otherwise, enter “NO.”

▼ Continue only if “Title 30 TAC § 115.780 Applicable” is “YES.”

Less Than 250 Components at Site:

Enter “YES” if the fugitive unit is located at a site with less than 250 fugitive components in VOC service. Otherwise, enter “NO.”

▼ Continue only if “Less Than 250 Components at Site” is “NO.”

Weight Percent HRVOC:

Select one of the following HRVOC weight percent’s of the process fluid which is in contact with the fugitive unit components. Enter the code on the form.

Code	Description
5.0-	All components only contact a process fluid that contains less than 5.0% HRVOC by weight on an annual average basis
5.0+	All components only contact a process fluid that contains greater than or equal to 5.0% HRVOC by weight on an annual average basis.
BOTH	Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contains HRVOC at 5.0%, or greater, by weight.

▼ Continue only if “Weight Percent HRVOC” Is “5.0+” or “BOTH.”

Shaft Seal System:

Enter “YES” if any of the pumps, compressors, or agitators are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal. Otherwise, enter “NO.”

Title 30 TAC § 115.780 Fugitive Unit Components:

The columns on Tables 16a through 16c correspond to the types of fugitive unit components addressed in 30 TAC Chapter 115, Subchapter H, Division 3: Fugitive Emissions (HRVOC). In the row for each fugitive unit identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 30 TAC § 115.780 Fugitive Unit Component Types

Component Type	Type of Service or Control Device	GOP Index Number
Process Drains	HRVOC Service (<i>Table 16b</i>)	511-42-003
Pressure Relief Valves	Gaseous Service (<i>Table 16b</i>)	511-42-004
Open-ended Valves or Lines	HRVOC Service (<i>Table 16c</i>)	511-42-005
Bypass Line Valves	HRVOC Service (<i>Table 16c</i>)	511-42-006
Valves (other than pressure relief, open-ended, and bypass line)	HRVOC Service (<i>Table 16d</i>)	511-42-007
Flanges or Other Connectors	HRVOC Service (<i>Table 16d</i>)	511-42-008
Compressors	Seals without shaft sealing system (<i>Table 16e</i>)	511-42-009
	With shaft sealing system (<i>Table 16a</i>)	511-42-021
Pumps	Seals without shaft sealing system (<i>Table 16e</i>)	511-42-010
	With shaft sealing system (<i>Table 16a</i>)	511-42-020
Agitators	Without shaft sealing system (<i>Table 16f</i>)	511-42-011
	With shaft sealing system (<i>Table 16a</i>)	511-42-022
Heat Exchanger Heads, Sight Glasses, Meters, Gauges, Sampling Connections, Bolted Manways, Hatches, Sump Covers, Junction Box Vents, or Covers and Seals on VOC Water Separators	HRVOC Service (<i>Table 16f</i>)	511-42-012

★ Complete the Following Items, Where Appropriate.

Alternate Control Requirement:

The TCEQ Executive Director may have approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement (ACR) or exemption criteria for certain fugitive unit components.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an ACR, enter "YES." Otherwise, enter "NO," (GOP applicants must enter "NO.")

ACR ID No.:

If an ACR has been approved, then enter the corresponding ACR unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 30 TAC § 115.781(b)(9):

Enter "YES" if any of the indicated fugitive components are complying with the requirements of 30 TAC § 115.781(b)(9). Otherwise, enter "NO."

Alternative Work Practice in 30 TAC § 115.358:

Enter "YES" if any components are complying with the alternative work practice requirements in 30 TAC § 115.358. Otherwise, enter "NO."

Title 30 TAC § 115.780 Fugitive Unit Description:

Provide a brief description of the fugitive unit equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 17a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart VVa: Standards of Performance For Equipment Leaks of VOC In The Synthetic Organic Chemicals Manufacturing Industry For Which Construction, Reconstruction, Or Modification Commenced After November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart VVa. Applicants may choose to identify the SOP index number as “60VVA-ALL” in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Produces Chemicals:

Enter “YES” if the facility produces, as an intermediate or final product, one or more of the chemicals listed in 40 CFR § 60.489a. Otherwise, enter “NO.”

▼ **Continue only if “Produces Chemicals” is “YES.”**

Affected Facility:

Enter “YES” if the facility is an affected facility as defined in 40 CFR § 60.480a(a)(2). Otherwise, enter “NO.”

▼ **Continue only if “Affected Facility” is “YES.”**

Construction/Modification Date:

Select one of the following codes that describes the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
06-	On or before November 7, 2006
06+	After November 7, 2006

▼ **Continue only if “Construction/Modification Date” is “06+.”**

Compliance Option:

Select one of the following codes that describes which provisions the owner or operator is choosing to comply with. Enter the code on the form.

Code	Description
65F	Choosing to comply with the provisions of 40 CFR Part 65, Subpart F
63H	Choosing to comply with the provisions of 40 CFR Part 63, Subpart H
60VVA	Choosing to comply with the provisions of 40 CFR Part 60, Subpart VVa

▼ **Continue only if “Compliance Option” is “60VVA.”**

Design Capacity:

Select one of the following ranges to describe the design capacity. Enter the code on the form.

Code	Description
1000-	Site with a design capacity is less than 1,000 Mg/yr
1000+	Site with a design capacity is greater than or equal to 1,000 Mg/yr

▼ **Continue only if “Design Capacity” is “1000+.”**

Facility Type:

Select one of the following codes that describe which facility type describes the fugitive operations. Enter the code on the form.

Code	Description
HLC	The facility produces heavy-liquid chemicals only from heavy liquid feed or raw materials.
BAP	The facility produces beverage alcohol.
EVOCS	The facility contains NO equipment designed to operate in VOC service.
VS	The facility contains equipment in vacuum service.
VOCS	The owner or operators designated the equipment as being in VOC service less than 300 hours per year.
OTHER	Other facility type

▼ **Continue only if “Facility Type” is “OTHER.”**

Tables 17b - 17l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart VVa: Standards of Performance For Equipment Leaks Of VOC In The Synthetic Organic Chemicals Manufacturing Industry For Which Construction, Reconstruction, Or Modification Commenced After November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart VVa Fugitive Unit Components:

The columns on Tables 17b through 17k correspond to the types of fugitive unit components addressed in 40 CFR Part 60, Subpart VVa. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart VVa only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart VVa Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 17b</i>)
	Heavy Liquid Service (<i>Table 17f</i>)
Compressors	Any (<i>Table 17c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 17c</i>)
	Light Liquid (<i>Table 17g</i>)
	Heavy Liquid Service (<i>Table 17g</i>)
Sampling Connection Systems	Any (<i>Table 17d</i>)
Open-ended Valves or Lines	Any (<i>Table 17d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 17e</i>)
	Heavy Liquid Service (<i>Table 17f</i>)
Connectors	Heavy Liquid (<i>Table 17g</i>)
	Gas/Vapor or Light Liquid Service (<i>Table 17k</i>)
Closed-vent Systems and Control Devices	Vapor Recovery System (<i>Table 17h</i>)
	Enclosed Combustion Device (<i>Table 17i</i>)
	Flare (<i>Table 17j</i>)
	Closed Vent (or Vapor Collection) Systems (<i>Table 17k</i>)

★ Complete the Following Items, Where Appropriate.**Equivalent Emission Limitation:**

An equivalent emission limitation (EEL) approved by the EPA Administrator under 40 CFR § 60.480a(e), may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart VVa.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter “YES.” Otherwise, enter “NO.”

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

2.0%:

Enter “YES” if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0%. Otherwise, enter “NO.”

Complying With 60.482a:

Some fugitive unit components have the option to comply with 40 CFR§ 60.482a (This applies to only those fugitive unit components with the “Complying with 40 CFR § 60.482a” column proceeding it). Enter “YES” if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2a – 3a, 40 CFR §§ 60.482-5a – 8a or 40 CFR § 60.482-10a, as appropriate. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with 40 CFR § 60.482a” unless all of those specified fugitive unit components are operating under an EEL or if “2.0%” is “YES.”

Title 40 CFR Part 60, Subpart VVa Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 18a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart GGGa. Applicants may choose to identify the SOP index number as “60GGGA-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form and the additional requirements included on the OP-REQ3 form. Please note that this index number cannot be used if an alternative has been approved.

Construction/Modification Date:

(40 CFR Part 60, Subpart GGGa) Select one of the following options that describes the date of commencement of the most recent construction or modification. Enter the code on the form.

Code	Description
06-	On or before November 7, 2006
06+	After November 7, 2006

▼ **Continue only if “Construction/Modification Date” is “06+.”**

Affected Facility Covered by 40 CFR 60 Subparts VVa or KKK:

Enter one of the following codes for the regulation that the fugitive unit is subject to and controlled under.

Code	Description
NSPS-VVA	Subject to and controlled under the provisions of 40 CFR part 60, Subpart VVa
NSPS-KKK	Subject to and controlled under the provisions of 40 CFR part 60, Subpart KKK
NONE	Not subject to and controlled under any of the above regulations

▼ Continue only if “Affected Facility Covered by 40 CFR 60 Subparts VVa or KKK” is “NONE.”

Tables 18b – 18k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Components:

The columns on Tables 8b through 8j correspond to the types of fugitive unit components addressed in 40 CFR Part 60, Subpart GGGa. In the row for each fugitive unit identification number, enter a “YES” in the forms table column if the described component(s) are included in the fugitive unit. If no such component is included in the fugitive unit, enter “NO” in the table column. Indicate components subject to 40 CFR Part 60, Subpart GGGa only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Component Types

Component Type	Type of Service or Control Device
Vacuum	Facility has equipment in vacuum service (<i>Table 18b</i>)
Pumps	Light Liquid Service (<i>Table 18b</i>)
	Heavy Liquid Service (<i>Table 18b</i>)
Compressors	Any (<i>Table 18c</i>)
	Hydrogen Service (<i>Table 18c</i>)
	Reciprocating compressors that became an affected facility under 40 CFR § 60.14 or 40 CFR § 60.15 (<i>Table 18c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 18f</i>)
	Light Liquid Service (<i>Table 18f</i>)
	Heavy Liquid Service (<i>Table 18g</i>)
Sampling Connection Systems	Any (<i>Table 18d</i>)
Open-ended Valves or Lines	Any (<i>Table 18d</i>)

Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Component Types (*continued*)

Component Type	Type of Service or Control Device
Open-ended Valves or Lines	Valves or Lines Containing Asphalt (<i>Table 18d</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 18e</i>)
	Heavy Liquid Service (<i>Table 18f</i>)
Connectors	Heavy Liquid Service (<i>Table 18g</i>)
	Gas Vapor or Light Liquid Service (<i>Table 18h</i>)
Closed-Vent Systems	Vapor Recovery System (<i>Table 18h</i>)
	Enclosed Combustion Device (<i>Table 18i</i>)
	Flare (<i>Table 18j</i>)
	Closed Vent (or Vapor Collection) System (<i>Table 18k</i>)

★ Also, complete the following items, where appropriate.

Equivalent Emission Limitation:

An equivalent emission limitation (EEL) approved by the EPA Administrator under 40 CFR § 60.592a(c) may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart GGGa.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an EEL, enter "YES." Otherwise, enter "NO."

EEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit. If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Alternative Compliance With § 60.483-1a:

Enter "YES" if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0% under § 60.483-1a as an alternative to § 60.482-7a. Otherwise enter "NO."

Alternative Compliance With § 60.483-2a:

Enter "YES" if the owner or operator is electing to comply with the option to skip leak detection periods under § 60.483-2a as an alternative to § 60.482-7a. Otherwise enter "NO."

Leakless Phase III Valves:

Enter "YES" if the owner or operator is electing to comply with Phase III provisions in § 63.168 (except the owner or operator may still comply with § 60.482-7a(f) for leakless valves) as an alternative to § 60.482-7a. Otherwise enter "NO."

Complying with 40 CFR § 60.482a:

Some fugitive unit components have the option to comply with 40 CFR § 60.482a (This applies to only those fugitive unit components with the "Complying with 40 CFR § 60.482a" column proceeding it.). Enter "YES" if any of those particular fugitive unit components are complying with the requirements in 40 CFR § 60.482-2a – 8a, or 40 CFR § 60.482-10a, as appropriate. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 60.482a" unless all of those specified fugitive unit components are operating under an EEL 17Tor if "Alternative Compliance With § 60.483-1a", "Alternative Compliance With § 60.483-2a", or "Leakless Phase III Valves" is "YES."

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number on Form OP-SUM entitled, "Individual Unit Summary." Use multiple lines, if more than one control device is used. If there is no control device, then leave this column blank.

Table 18l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP Index Number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

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

- ★ Complete Table 19a for Centrifugal Compressor affected facilities.
- ★ Complete Table 19b for Reciprocating Compressor affected facilities.
- ★ Complete Table 19c for Pneumatic Controller affected facilities.
- ★ Complete Table 19d for Pneumatic Pump affected facilities.
- ★ Complete Table 19e for the collection of fugitive components located at a well site or compressor station.
- ★ Complete Tables 19e-p for the group of equipment within a process unit located at an onshore natural gas processing plant.

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
15-	On or before September 18, 2015
15+	After September 18, 2015

▼ **Continue only if “Construction/Modification Date ” is “15+.”**

Centrifugal Compressor:

Select one of the following codes that describes the centrifugal compressor at the site. Enter the code on the form.

Code	Description
CCWELL	Centrifugal compressor located at a well site
CCOMPDS	Centrifugal compressor using dry seals
CCOMPWS	Centrifugal compressor using wet seals

▼ **Continue only if “Centrifugal Compressor” is “CCOMPWS.”**

Control Option:

Select one of the following codes that describe the control option for the centrifugal compressor. Enter the code on the form.

For Processes:

Code	Description
PRO	Emissions from closed vent system routed to a process

For Combustion Control Devices:

Code	Description
BPH44+	Boiler or process heater with a design heat input capacity of 44 MW or greater
BHPHF	Boiler or process heater where the vent stream is introduced with the primary fuel or used as the primary fuel
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW
CVI	Catalytic vapor incinerator
TVI	Thermal vapor incinerator
FLARE	Flare

For Vapor Recovery Devices:

Code	Description
REGEN	Regenerable carbon adsorption system
NONREGEN	Non-regenerable carbon adsorption system
COND	Condenser

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. If there is no control device, then leave this column blank.

- ★ **Complete “Combustion Device Compliance Option” only if “Control Option” is “BPH44+”, “BPHPF”, “BPH44-”, “CVI”, “TVI”, or “FLARE.”**

Combustion Device Compliance Option:

Select one of the following options to describe the control option for combustion control devices. Enter the code on the form.

For flares:

Code	Description
MANU	Combustion control device model tested by the manufacturer in accordance with §60.5413a(d)
NOMANU	Combustion control device model not tested by the manufacturer in accordance with §60.5413a(d)

For boilers or process heater, catalytic vapor incinerators, or thermal incinerators:

Code	Description
MANU	Combustion control device model tested by the manufacturer in accordance with §60.5413a(d)
95+	Reduce mass content of methane and VOC in the gases vented to the device by 95 percent by weight or greater
275-	Reduce concentration of TOC in the exhaust gases at the outlet to the device to a level equal to or less than 275 parts per million by volume as propane on a wet basis corrected to 3 percent oxygen
760	Operate at a minimum temperature of 760 degrees Celsius
FZ	Introduce the vent stream into the flame zone of the boiler or process heater. This code may only be used for boilers or process heaters

- ★ **Do not complete “Performance Test” if “Control Option” is “FLARE.”**

Performance Test:

Select one of the following options to describe the control device performance test requirements. Enter the code on the form.

For control devices other than condensers and carbon adsorbers:

Code	Description
BPHHW	Boiler or process heater burning hazardous waste
HWI	Hazardous waste incinerator
PTW	Performance test waived in accordance with §60.8(b)
P95+	Combustion device complying with 95 percent reduction
P275-	Combustion device complying with TOC outlet concentration
P760	Combustion device complying with minimum temperature of 760 degrees Celsius

For condensers and carbon adsorbers:

Code	Description
DESIGN	Design analysis used in lieu of performance test.
PT	Performance test conducted.
PTW	Performance test waived in accordance with §60.8(b)

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process.
FLOW	Flow indicator installed at the inlet of the bypass device.
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration.

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

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
15-	On or before September 18, 2015
15+	After September 18, 2015

▼ **Continue only if “Construction/Modification Date ” is “15+.”**

Reciprocating Compressor:

Select one of the following codes that describes the reciprocating compressor at the site. Enter the code on the form.

Code	Description
RCOMPW	Reciprocating compressor located at a well site
RC26K-	Reciprocating compressor rod packing being replaced on or before 26,000 hours of operation
RC36-	Reciprocating compressor rod packing being replaced prior to 36 months from the date of the previous replacement or startup
RCCVS	Reciprocating compressor where emissions are routed through a closed vent system to a process

AMEL:

Enter “YES” if the reciprocating compressor is complying with the alternate method of emission limitation (AMEL) in 40 CFR § 60.5398a. Otherwise, enter “NO.”

▼ **Continue only if “AMEL” is “NO” and “Reciprocating Compressor” is “RCCVS.”**

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes away from the process
FLOW	Flow indicator installed at the inlet of the bypass device
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration.

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

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
15-	On or before September 18, 2015
15+	After September 18, 2015

▼ **Continue only if “Construction/Modification Date ” is “15+.”**

Pneumatic Controller:

Select one of the following codes that describes the pneumatic controller at the site. Enter the code on the form.

Code	Description
PCBRGS	Pneumatic controller with bleed rate greater than the standard based on functional need
PCNGPP	Pneumatic controller located at a natural gas processing plant with a bleed rate of zero
PCOTH	Pneumatic controller not located at a natural gas processing plant with a bleed rate less than or equal to 6 standard cubic feet per hour

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

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
15-	On or before September 18, 2015
15+	After September 18, 2015

▼ **Continue only if “Construction/Modification Date ” is “15+.”**

Pneumatic Pump:

Select one of the following codes that describes the pneumatic controller at the site. Enter the code on the form.

Code	Description
PPNGPP	Pneumatic pump located at a natural gas processing plant
PPWS	Pneumatic pump located at a well site

▼ **Continue only if “Pneumatic Pump ” is “PPWS.”**

Control Option:

Select one of the following options to describe the control option used for the pneumatic pump. Enter the code on the form.

Code	Description
NONE	No control device or process located on site
PRO	Emissions from pneumatic pump are routed to a process
INFEAS	Technically infeasible to capture and route emissions to a control device or process
CADS95-	Carbon adsorber unable to achieve a 95% reduction in natural gas emissions
OTH95-	Control device other than a carbon adsorber unable to achieve a 95% reduction in natural gas emissions
CADS95+	Carbon adsorber used to reduce natural gas emissions by 95% or greater
OTH95+	Control device other than a carbon adsorber used to reduce natural gas emissions by 95% or greater

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. If there is no control device, then leave this column blank.

★ **Do not complete “Bypass Device” if Control Option is “NONE.”**

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process
FLOW	Flow indicator installed at the inlet of the bypass device
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration

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

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types of tables 19f – 19o and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 40 CFR Part 60, Subpart OOOOa. Enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 19e. If the component type and/or applicable GOP index number are not included in the component types of tables 19f – 19o, answer the questions below and enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 19e.

Note to SOP Applicants: For the group of equipment within a process unit that is located at an onshore natural gas processing plant, some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart OOOOa. Applicants may choose to identify the SOP index number as “60OOOOA-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved or for GOP applications.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
15-	On or before September 18, 2015
15+	After September 18, 2015

▼ Continue only if “Construction/Modification Date ” is “15+.”

Fugitive Component:

Select one of the following codes that describes the type of fugitive components at the site. Enter the code on the form.

Code	Description
FCWS	Collection of fugitive components located at a well site
FCCS	Collection of fugitive components located at a compressor station
EQNGPP	Group of equipment within a process unit that is located at an onshore natural gas processing plant

★ Complete “AMEL” only if “Fugitive Component” is “FCWS” or “FCCS.”

AMEL:

Select one of the following codes to describe the alternate method of emission limitation (AMEL) for the collection of fugitive components located at a well site or compressor station. Enter the code on the form.

Code	Description
NONE	Not complying with an AMEL
5398A(A)	Complying with AMEL as described in 40 CFR § 60.5398a(a)
5399A(L)	Collection of fugitive components located at a well site complying with 40 CFR § 60.5399a(l)
5399A(M)	Collection of fugitive components located at a compressor station complying with 40 CFR § 60.5399a(m)

▼ Continue only if “Fugitive Component” is “EQNGPP.”

Subject to Another Regulation:

Enter “YES” if the fugitive component is subject to and controlled in accordance with the requirements in 40 CFR part 60, subpart VVa, GGG or GGGa. Otherwise, enter “NO.”

▼ Continue only if “Subject to Another Regulation” is “NO.”

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

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components:

The columns on Tables 19f through 19p correspond to the fugitive unit components (group of equipment) within a process unit located at an onshore natural gas processing plant as addressed in 40 CFR Part 60, Subpart OOOOa. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart OOOOa only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Component Types

Component Type	Type of Service or Control Device	GOP Index Number
Any Component	Vacuum Service (<i>Table 19f</i>)	511-56-015
		512-37-015
		513-35-015
		514-33-015
Pumps	Light Liquid Service (<i>Table 19f</i>)	511-56-016
		512-37-016
		513-35-016
		514-33-016
	Heavy Liquid Service (<i>Table 19j</i>)	511-56-017
		512-37-017
		513-35-017
		514-33-017
Pressure Relief Devices	Gas/Vapor Service (<i>Table 19g</i>)	511-56-018
		512-37-018
		513-35-018
		514-33-018
	Heavy or Light Liquid Service (<i>Table 19k</i>)	511-56-024
		512-37-024
		513-35-024
		514-33-024

Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Component Types(*continued*)

Component Type	Type of Service or Control Device	GOP Index Number
Open-ended Valves or Lines	Any (<i>Table 19h</i>)	511-56-019 512-37-019 513-35-019 514-33-019
Valves	Gas/Vapor or Light Liquid Service (<i>Table 19i</i>)	511-56-020 512-37-020 513-35-020 514-33-020
	Heavy Liquid Service (<i>Table 19j</i>)	511-56-021 512-37-021 513-35-021 514-33-021
Connectors	Heavy Liquid Service (<i>Table 19k</i>)	511-56-022 512-37-022 513-35-022 514-33-022
	Gas/Vapor or Light Liquid Service (<i>Table 19o</i>)	511-56-023 512-37-023 513-35-023 514-33-023
Closed-vent Systems and Control Devices	Vapor Recovery System (<i>Table 19l</i>)	511-56-025 512-37-025 513-35-025 514-33-025
	Enclosed Combustion Device (<i>Table 19m</i>)	511-56-026 512-37-026 513-35-026 514-33-026
	Flare (<i>Table 19n</i>)	511-56-027 512-37-027 513-35-027 514-33-027
	Closed Vent (or Vapor Collection) Systems (<i>Table 19o</i>)	511-56-028 512-37-028 513-35-028 514-33-028

★ **Complete the Following Items, Where Appropriate.**

AMEL:

An alternative emission limitation (AMEL) approved by the EPA Administrator under 40 CFR § 60.5400a(c), may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart OOOOa.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO."

AMEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

2.0%:

Enter "YES" if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0%. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 60.482a" unless all of those specified fugitive unit components are operating under an AMEL.

Design Capacity < 10MM:

Enter "YES" if the pumps in light liquid service, valves in gas vapor service and light liquid service, pressure relief devices in gas/vapor service, or connectors in gas/vapor service and in light liquid service are located at a nonfractionating plant that has the design capacity to process less than 10 million standard cubic feet per day of field gas. Otherwise, enter "NO."

Complying With 60.482a:

Some fugitive unit components have the option to comply with 40 CFR§ 60.482a (This applies to only those fugitive unit components with the "Complying with 40 CFR § 60.482a" column preceding it). Enter "YES" if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2a – 3a, 40 CFR §§ 60.482-5a – 8a or 40 CFR § 60.482-10a – 11a, as appropriate. Otherwise, enter "NO."

Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

Table 20a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

- ★ **Complete Table 20a for Centrifugal Compressor affected facilities.**
- ★ **Complete Table 20b for Reciprocating Compressor affected facilities.**
- ★ **Complete Table 20c for Pneumatic Controller affected facilities.**
- ★ **Complete Tables 20d - 20o for the group of equipment within a process unit located at an onshore natural gas processing plant.**

Unit ID No.:

Enter the identification number (ID No.) for the unit (maximum 10 characters) as listed on Form OP SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options that describe the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
11-	Before 8/23/2011
11-15	After 8/23/2011 and on/before 9/18/2015
15+	After 9/18/2015

▼ **Continue only if “Construction/Modification Date” is “11-15.”**

Centrifugal Compressor:

Select one of the following codes that describes the centrifugal compressor at the site. Enter the code on the form.

Code	Description
CCWELL	Centrifugal compressor located at a well site
CCOMPDS	Centrifugal compressor using dry seals
CCOMPWS	Centrifugal compressor using wet seals

▼ **Continue only if “Centrifugal Compressor” is “CCOMPWS” for SOP applications. Do not continue if the application type is GOP.**

Control Option:

Select one of the following codes that describe the control option for the centrifugal compressor. Enter the code on the form.

For Processes:

Code	Description
PRO	Emissions from closed vent system routed to a process

For Combustion Control Devices:

Code	Description
BPH44+	Boiler or process heater with a design heat input capacity of 44 MW or greater
BPHPF	Boiler or process heater where the vent stream is introduced with the primary fuel or used as the primary fuel
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW
CVI	Catalytic vapor incinerator
TVI	Thermal vapor incinerator
FLARE	Flare

For Vapor Recovery Devices:

Code	Description
REGEN	Regenerable carbon adsorption system
NONREGEN	Non-regenerable carbon adsorption system
COND	Condenser

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. If there is no control device, then leave this column blank.

★ **Complete “Combustion Device Compliance Option” only if “Control Option” is “BPH44+”, “BPHPF”, “BPH44-”, “CVI”, “TVI”, or “FLARE.”**

Combustion Device Compliance Option:

Select one of the following options to describe the control option for combustion control devices. Enter the code on the form.

For flares:

Code	Description
MANU	Combustion control device model tested by the manufacturer in accordance with §60.5413(d)
NOMANU	Combustion control device model not tested by the manufacturer in accordance with §60.5413(d)

For boilers or process heater, catalytic vapor incinerators, or thermal incinerators:

Code	Description
MANU	Combustion control device model tested by the manufacturer in accordance with §60.5413(d)
95+	Reduce mass content of methane and VOC in the gases vented to the device by 95 percent by weight or greater
275-	Reduce concentration of TOC in the exhaust gases at the outlet to the device to a level equal to or less than 275 parts per million by volume as propane on a wet basis corrected to 3 percent oxygen
760	Operate at a minimum temperature of 760 degrees Celsius
FZ	Introduce the vent stream into the flame zone of the boiler or process heater. This code may only be used for boilers or process heaters

★ **Do not complete “Performance Test” if “Control Option” is “PRO”, “BPH44+”, “BPHPF” and “FLARE.”**

Performance Test:

Select one of the following options to describe the control device performance test requirements. Enter the code on the form.

For control devices other than condensers and carbon adsorbers:

Code	Description
BPHHW	Boiler or process heater burning hazardous waste
HWI	Hazardous waste incinerator
PTW	Performance test waived in accordance with §60.8(b)
P95+	Combustion device complying with 95 percent reduction
P275-	Combustion device complying with TOC outlet concentration
P760	Combustion device complying with minimum temperature of 760 degrees Celsius

For condensers and carbon adsorbers:

Code	Description
DESIGN	Design analysis used in lieu of performance test
PT	Performance test conducted
PTW	Performance test waived in accordance with §60.8(b)

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process.
FLOW	Flow indicator installed at the inlet of the bypass device.
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration.

Table 20b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.:

Enter the identification number (ID No.) for the unit (maximum 10 characters) as listed on Form OP SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP Index Number in this column from the applicable GOP table (SSS-FF-XXX). Applicants should complete all applicable GOP attribute information before determining the GOP index number. For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options that describe the date of commencement of the most recent construction, reconstruction, or modification. Enter the code on the form.

Code	Description
11-	Before 8/23/2011
11-15	After 8/23/2011 and on/before 9/18/2015
15+	After 9/18/2015

▼ Continue only if “Construction/Modification Date” is “11-15.”

Reciprocating Compressor:

Select one of the following codes that describes the reciprocating compressor at the site. Enter the code on the form.

Code	Description
RCOMPW	Reciprocating compressor located at a well site
RC26K-	Reciprocating compressor rod packing being replaced on or before 26,000 hours of operation
RC36-	Reciprocating compressor rod packing being replaced prior to 36 months from the date of the previous replacement or startup
RCCVS	Reciprocating compressor where emissions are routed through a closed vent system to a process

▼ Continue only if “Reciprocating Compressor” is “RCCVS.”

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes away from the process
FLOW	Flow indicator installed at the inlet of the bypass device
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration

Table 20c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
11-	On or before 8/23/2011
11-15	After 8/23/2011 and on/before 9/18/2015
15+	After 9/18/2015

▼ Continue only if “Construction/Modification Date” is “11-15.”

Pneumatic Controller:

Select one of the following codes that describes the pneumatic controller at the site. Enter the code on the form.

Code	Description
PCBRGS	Pneumatic controller with bleed rate greater than the standard based on functional need to comply with § 60.5390(a)
PCNGPP	Pneumatic controller located at a natural gas processing plant with a bleed rate of zero
PCOTH	Pneumatic controller not located at a natural gas processing plant with a bleed rate less than or equal to 6 standard cubic feet per hour

Table 20d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Subject to Another Subpart:

Select one of the following options if the fugitive unit is subject to another 40 CFR Part 60 or 40 CFR Part 63, Subparts. Enter the code on the form.

Code	Description
60VVA	Fugitive unit is subject to 40 CFR Part 60, Subpart VVa
60GGG	Fugitive unit is subject to 40 CFR Part 60, Subpart GGG
60GGGA	Fugitive unit is subject to 40 CFR Part 60, Subpart GGGa
NONE	Fugitive unit is not subject to any of the above regulations

Construction/Modification Date:

Select one of the following options based on the commencement of the most recent construction, modification, or reconstruction date. Enter the code on the form.

Code	Description
11-	On or before 8/23/2011
11-15	After 8/23/2011 and on/before 9/18/2015
15+	After 9/18/2015

▼ **Continue only if “Construction/Modification Date” is “11-15.”**

Tables 20e – 20n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to GOP Applicants: Use the component types of tables below and the applicable GOP table to determine the GOP Index Numbers that apply to the fugitive components subject to 40 CFR Part 60, Subpart OOOO. Enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 20d. If the component type and/or applicable GOP index number are not included in the component types of tables below, answer the questions below and enter the “Unit ID No.” and the applicable GOP Index Numbers on Table 20d.

Note to SOP Applicants: For the group of equipment within a process unit that is located at an onshore natural gas processing plant, some fugitive units may have all equipment identified in 40 CFR Part 60, Subpart OOOO. Applicants may choose to identify the SOP index number as “60OOOO-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved or for GOP applications.

Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components:

The columns on Tables 20e through 20o correspond to the fugitive unit components (group of equipment) within a process unit located at an onshore natural gas processing plant as addressed in 40 CFR Part 60, Subpart OOOO. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 60, Subpart OOOO only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Component Type	Type of Service or Control Device	GOP Index Number
Any Component	Vacuum Service (<i>Table 20e</i>)	511-55-010 512-36-010 513-34-010 514-32-010
Pumps	Light Liquid Service (<i>Table 20e</i>)	511-55-011 512-36-011 513-34-011 514-32-011
	Heavy Liquid Service (<i>Table 20i</i>)	511-55-012 512-36-012 513-34-012 514-32-012
Pressure Relief Devices	Gas/Vapor Service (<i>Table 20f</i>)	511-55-013 512-36-013 513-34-013 514-32-013
	Light Liquid Service or Heavy Liquid Service (<i>Table 20j</i>)	511-55-019 512-36-019 513-34-019 514-32-019
Open-ended Valves or Lines (<i>Table 20g</i>)	Any Service	511-55-014 512-36-014 513-34-014 514-32-014
Valves	Gas/Vapor Service (<i>Table 20h</i>)	511-55-015 512-36-015 513-34-015 514-32-015
	Heavy Liquid Service (<i>Table 20i</i>)	511-55-016 512-36-016 513-34-016 514-32-016

Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (*continued*)

Component Type	Type of Service or Control Device	GOP Index Number
Connectors	Gas/Vapor and Light Liquid Service (Table 20n)	511-55-018 512-36-018 513-34-018 514-32-018
	Heavy Liquid Service (Table 20j)	511-55-017 512-36-017 513-36-017 514-32-017
Closed Vent Systems (CVS) and Control Devices	Vapor Recovery Systems (Table 20k)	511-55-020 512-36-020 513-34-020 514-32-020
	Enclosed Combustion Devices (Table 20l)	511-55-021 512-36-021 512-34-021 514-32-021
	Flares (Table 20m)	511-55-022 512-36-022 512-34-022 514-32-022
	Closed Vent Systems (Table 20n)	511-55-023 512-36-023 512-34-023 514-32-023

★ Complete the Following Items, Where Appropriate.

AMEL:

An alternative emission limitation (AMEL), approved by the EPA Administrator under 40 CFR § 60.5400(c), may be used for certain fugitive unit components to achieve a reduction in VOC emissions at least equivalent to the reduction in VOC emissions achieved by controls required in 40 CFR Part 60, Subpart OOOO.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO."

AMEL ID No.:

If an EEL has been approved, enter the corresponding EEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

2.0%:

Enter "YES" if the owner or operator is electing to comply with an allowable percentage of valves leaking equal to or less than 2.0%. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 60.482a" unless all of those specified fugitive unit components are operating under an AMEL.

Design Capacity < 10MM:

Enter “YES” if the pumps in light liquid service, valves in gas vapor service and light liquid service, pressure relief devices in gas/vapor service, or connectors in gas/vapor service and in light liquid service are located at a nonfractionating plant that has the design capacity to process less than 10 million standard cubic feet per day of field gas. Otherwise, enter “NO.”

Complying With 60.482a:

Some fugitive unit components have the option to comply with 40 CFR§ 60.482a (This applies to only those fugitive unit components with the “Complying with 40 CFR § 60.482a” column preceding it). Enter “YES” if any of those particular fugitive unit components are complying with the requirements in 40 CFR §§ 60.482-2a – 3a, 40 CFR §§ 60.482-5a – 8a or 40 CFR § 60.482-10a – 11a, as appropriate. Otherwise, enter “NO.”

Table 20o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP/GOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). General operating permit (GOP) applicants should indicate the appropriate GOP index number in this column from the applicable GOP table (SSS-FF-XXX). For additional information relating to SOP and GOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). If the “Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Description” is the same as the “Title 30 TAC Chapter 115 Fugitive Unit Description,” enter “SAME” in this space. Example descriptions include: “transfer and loading fugitives,” “storage area fugitives,” “manufacturing fugitives,” “pipeline fugitives,” etc. Use multiple lines, if necessary.

Table 21a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

- ★ **Complete only for facilities performing sites remediation that are a major source of HAP emissions or co-located at a facility with stationary sources that are a major source of HAP emissions and do not qualify for the §§ 63.7881(a) or (b) exemptions. The facility must also not qualify for the exemptions listed in §§ 63.7882(a)(3)(i) and (ii).**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart GGGGG. Applicants may choose to identify the SOP index number as “63GGGGGUU-ALL”, if the unit is complying using the 40 CFR Part 63, Subpart UU option, or “63GGGGGTT-ALL”, if the unit is complying using the 40 CFR Part 63, Subpart TT option, in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements, other than closed vent system and control device requirements, in the regulation apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information must be submitted, with control device identification numbers, on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved.

Means of Compliance:

Select one of the following options for means of compliance with this rule. Enter the code on the form.

Code	Description
ASUB	Equipment leak source is also subject to another subpart under 40 CFR part 61 or part 63 and complying with the applicable emission limitations and work practice standards in the other subpart
AMOC	Alternative means of compliance (AMOC) to meet the work practice standards in section § 63.7920 are being used
AMEL-TT	Equipment leaks are controlled according to applicable alternative means of emission limitation requirements in 40 CFR Part 63, Subpart TT as specified in § 63.1002(b) or § 63.1016(a).
63TT	Equipment leaks are controlled according to applicable requirements in 40 CFR Part 63, Subpart TT, excluding alternative means of emission limitation.
AMEL-UU	Equipment leaks are controlled according to applicable alternative means of emission limitation requirements in 40 CFR Part 63, Subpart UU as specified in § 63.1036(a)
63UU	Equipment leaks are controlled according to applicable requirements in 40 CFR Part 63, Subpart UU, excluding alternative means of emission limitation.

★ **Complete “AMOC-GGGGG ID No.” only if “Means of Compliance” is “AMOC.”**

AMOC-GGGGG ID No.:

If an AMOC has been approved, then enter the corresponding AMOC unique identifier for each unit or process. If the unique identifier is unavailable, then enter the date of the AMOC approval letter. The unique identifier and/or the date of the approval letter are contained in the Compliance File under the appropriate regulated entity number. Otherwise, leave this column blank.

▼ **Continue only if “Means of Compliance” is “AMEL-TT”, “63TT”, “AMEL-UU”, or “63UU.”**

★ **Go to Table 21r if “Means of Compliance” is “AMEL-TT” or “63TT.”**

★ **Complete “AMEL-UU ID No.” only if “Means of Compliance” is “AMEL-UU.”**

AMEL-UU ID No.:

If an AMEL under 40 CFR part 63, subpart UU as specified in § 63.1036(a) for batch processes has been approved, enter the corresponding AMEL unique identifier for each equipment leak component (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

★ **Complete “Heavy Liquid Service” only if “Means of Compliance” is “AMEL-UU.”**

Heavy Liquid Service:

Enter “YES” if any fugitive unit complying with the AMEL in 40 CFR § 63.1036(a) contains equipment in heavy liquid service. Otherwise, enter “NO.”

★ **Complete “UU Units Without an AMEL” only if “Means of Compliance” is “AMEL-UU.”**

UU Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an alternative means of emission limitation in 40 CFR §§ 63.1003(b), 63.1036(a), 63.7920. Otherwise, enter “NO.”

★ **Go to Table 21b if “Means of Compliance” is “63UU,” or “UU Units Without an AMEL” is “YES.”**

**Tables 21b – 21p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63),
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants:
Site Remediation**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart GGGGG Fugitive Unit Components Complying with MACT UU:

The columns on Tables 21b through 21p correspond to the fugitive unit components (group of equipment) addressed in 40 CFR Part 63, Subpart GGGGG complying with 40 CFR Part 63, Subpart UU. In the row for each fugitive unit component Identification number, enter a “YES” in a column if the described component(s) are included in fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart GGGGG only. This information will ensure that only the appropriate requirements for each fugitive unit components are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart GGGGG Fugitive Unit Components Complying with MACT UU

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 21b</i>)
	Heavy Liquid Service (<i>Table 21c</i>)
Compressors	Any (<i>Table 21c</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 21d</i>)
	Liquid Service (<i>Table 21e</i>)
Sampling Connection Systems	Any (<i>Table 21f</i>)
Open-ended Valves or Lines	Any (<i>Table 21g</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 21g</i>)
	Heavy Liquid Service (<i>Table 21h</i>)
Connectors	Gas/Vapor or Light Liquid Service (<i>Table 21h</i>)
	Heavy Liquid Service (<i>Table 21i</i>)
Agitators	Gas/Vapor or Light Liquid Service (<i>Table 21i</i>)
	Heavy Liquid Service (<i>Table 21j</i>)
Instrumentation Systems	Any (<i>Table 21k</i>)
Closed Vent Systems	Fuel Gas System or Process (<i>Table 21k</i>)
Closed Vent Systems and Control Devices (CVSCD)	Non-flare Reducing Emissions with 95% Efficiency (<i>Table 21l</i>)
	Non-flare Reducing Emissions to 20 ppmv (<i>Table 21l</i>)
	Enclosed Combustion Device Reducing Emissions with 95% Efficiency (<i>Table 21l</i>)
	Enclosed Combustion Device Reducing Emissions to 20 ppmv (<i>Table 21m</i>)
	Residence time of 0.5 seconds at a minimum of 760 degrees Celsius (<i>Table 21m</i>)
	Flare (<i>Table 21m</i>)
	63GGGGG-Regenerable Carbon Adsorption System (<i>Table 21n</i>)
	63GGGGG-Non-Regenerable Carbon Adsorption System (<i>Table 21n</i>)
	63GGGGG-Condenser (<i>Table 21n</i>)
	63GGGGG-Thermal Incinerator (<i>Table 21o</i>)
	63GGGGG-Catalytic Incinerator (<i>Table 21o</i>)
	63GGGGG-Boiler or Process Heater (<i>Table 21p</i>)
	63GGGGG-Flare (<i>Table 21p</i>)

★ **Complete the Following Items, Where Appropriate.**

AMEL:

An alternative emission limitation (AMEL) approved by the EPA Administrator under 40 CFR § 63.7920(b)(2) and § 63.1021(b) may be used for certain equipment leak components to achieve a reduction in HAP emissions at least equivalent to the reduction in HAP emissions achieved by controls required in 40 CFR Part 63, Subpart UU sections § 63.1025 through § 63.1034.

Note: If any of the type of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO."

AMEL ID No.:

If an equivalent emission limitation (EEL) has been approved, enter the corresponding EEL unique identifier for each equipment leak unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the EEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Dual Mechanic Seal:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are equipped with a dual mechanical seal system that includes a barrier system. Otherwise, enter "NO."

No Externally Actuated Shaft:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are designed with no externally actuated shaft penetrating the pump house. Otherwise, enter "NO."

Routed to Process or Fuel Gas System or Equipped CVS:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are routed to a process or fuel gas system or equipped with a closed vent system as described in § 63.1026(e)(3). Otherwise, enter "NO."

Complying with § 63.1026(a):

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are complying with § 63.1026(a). Otherwise, enter "NO."

Note: Enter "YES" for "Complying with § 63.1026(a)" if there are any pumps in light liquid service not doing one of the following:

- *Operating under an AMEL, or using the compliance options under "Dual Mechanic Seal," "No Externally Actuated Shaft," or "Routed to Process or Fuel Gas System or Equipped CVS"*

Complying with § 63.1029:

Enter "YES" if the fugitive unit contains any valves in heavy liquid service, pumps in heavy liquid service, connectors in heavy liquid service, agitators in heavy liquid service, or instrumentation systems that are complying with § 63.1029. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with § 63.1029" unless all of those specified fugitive unit components are operating under an AMEL.

Leakage Capture and Transport:

Enter "YES" if the fugitive unit contains any compressors equipped with a system to capture and transport leakage from the drive shaft seal to a process, a fuel gas system or to a closed vent system and a control device. Otherwise, enter "NO."

Instrument Reading <500 ppm:

Enter "YES" if the fugitive unit contains any compressors operating with an instrument reading of less than 500 ppm. Otherwise, enter "NO."

Complying with § 63.1031(b):

Enter “YES” if the fugitive unit contains any compressors that are complying with § 63.1031(b). Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1031(b)” if there are any compressors not doing one of the following:

- *Operating under an AMEL, or using the compliance options under “Leakage Capture and Transport,” or “Instrument Reading <500 ppm”*

Equipped Rupture Disk:

Enter “YES” if the fugitive unit contains any pressure relief devices in gas/vapor service equipped with rupture disk upstream of the pressure relief device. Otherwise, enter “NO.”

Routed to Process or Fuel Gas System or Equipped CVS:

Enter “YES” if the fugitive unit contains any pressure relief devices in gas/vapor service routed to a process, a fuel gas system, or to a closed vent system with a control device. Otherwise, enter “NO.”

PRD GVS Complying with § 63.7920(e):

Enter “YES” if the fugitive unit contains any pressure relief devices in gas/vapor service that are complying with §63.7920(e). Otherwise, enter “NO.”

Note: Enter “YES” for “PRD GVS Complying with § 63.7920(e)” if there are any pressure relief devices in gas/vapor service not doing one of the following:

- *Operating under an AMEL, or using the compliance options under “Equipped Rupture Disk” or “Routed to Process or Fuel Gas System or Equipped CVS”*

PRD LS Complying with § 63.7920(e):

Enter “YES” if the fugitive unit contains any pressure relief devices in liquid service that are complying with § 63.7920(e). Otherwise, enter “NO.”

Note: Enter “YES” for “PRD LS Complying with § 63.7920(e)” unless all pressure relief devices in liquid service are operating under an AMEL.

Heavy Liquid Service:

Enter “YES” if the fugitive unit component is in heavy liquid service. Otherwise, enter “NO.”

Complying with § 63.1032(b):

Enter “YES” if the fugitive unit contains any sampling connection systems that are complying with § 63.1032(b). Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1032(b)” unless all of the sampling connection systems are operating under an AMEL.

Complying with § 63.1033:

Enter “YES” if the fugitive unit contains any open-ended valves or lines that are complying with §63.1033. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1033” unless all of the open-ended valves or lines are operating under an AMEL.

Complying with § 63.1025:

Enter “YES” if the fugitive unit contains any valves in gas/vapor or liquid service that are complying with § 63.1025. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1025” unless all of the valves in gas/vapor or liquid service are operating under an AMEL.

Complying with § 63.1027:

Enter “YES” if the fugitive unit contains any connectors in gas/vapor or light liquid service that are complying with § 63.1027. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1027” unless all of the connectors in gas/vapor or liquid service are operating under an AMEL.

Dual Mechanic Seal:

Enter “YES” if the fugitive unit contains any agitators in gas/vapor service or in light liquid service that are equipped with a dual mechanical seal system that includes a barrier system. Otherwise, enter “NO.”

No Externally Actuated Shaft:

Enter “YES” if the fugitive unit contains any agitators in gas/vapor service or in light liquid service that are designed with no externally actuated shaft penetrating the agitator housing. Otherwise, enter “NO.”

Routed to Process or Fuel Gas System or Equipped CVS:

Enter “YES” if the fugitive unit contains any agitators in gas/vapor service or in light liquid service that are routed to a process or fuel gas system or equipped with a closed vent system as described in § 63.1028(e)(3). Otherwise, enter “NO.”

Complying with § 63.1028(c):

Enter “YES” if the fugitive unit agitators in gas/vapor or in light liquid service that are complying with § 63.1028(c). Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1028(c)” if there are any agitators in gas/vapor or light liquid service not doing one of the following:

- *Operating under an AMEL, or using the compliance options under “Dual Mechanical Seal,” “No Externally Actuated Shaft,” or “Routed to Process or Fuel Gas System or Equipped CVS.”*

Table 21q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Enclosed-Vented Process Unit AMEL-UU:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternate method of emission limitation (AMEL) in 40 CFR § 63.1037. Otherwise, enter “NO.”

Enclosed-Vented Process Unit AMEL-UU ID No.:

If an AMEL under 40 CFR part 63, subpart UU as specified in § 63.1037 has been approved, enter the corresponding AMEL unique identifier for each equipment leak component (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

- ★ Complete “Negative Pressure” only if “Type of Service or Control Device” is “Non-flare Reducing Emissions with 95% Efficiency,” “Non-flare Reducing Emissions to 20 ppmv,” “Enclosed Combustion Device Reducing Emissions with 95% Efficiency,” “Enclosed Combustion Device Reducing Emissions to 20 ppmv,” “Residence time of 0.5 seconds at a minimum of 760 degrees Celsius,” or “Flare.”

Negative Pressure:

Enter “YES” if the Closed Vent System is operated and maintained under negative pressure. Otherwise, enter “NO.”

- ★ Complete “Bypass Device” only if “Negative Pressure” is “NO.”

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process
FLOW	Flow indicator installed at the inlet of the bypass device
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration

- ★ Go to Table 21aa if “Type of Service or Control Device” is “63GGGGG-Regenerable Carbon Adsorption System,” “63GGGGG-Non-Regenerable Carbon Adsorption System,” “63GGGGG-Condenser,” “63GGGGG-Thermal Incinerator,” “63GGGGG-Catalytic Incinerator,” “63GGGGG-Boiler or Process Heater,” or “63GGGGG-Flare.”

- ★ Complete “Flare Compliance” only if “Type of Service or Control Device” is “Flare.”

Flare Compliance:

Select the option that describes means of demonstrating flare performance and compliance. Enter the code on the form.

Code	Description
PRIOR	Test data from a prior performance test or compliance assessment is used to demonstrate flare compliance as described in § 63.997(b)(2)
WAIVER	A waiver of performance testing or compliance assessment has been granted by the Administrator
TEST	Performance tests are conducted according to applicable flare requirements in 40 CFR Part 63 Subpart SS

Table 21r: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

- ★ Complete Table 21r only if “Means of Compliance” is “AMEL-TT” or “63TT.”

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

- ★ **Complete “Enclosed-Vented Process Unit AMEL-TT,” “General AMEL,” and “TT Units Without an AMEL” only if “Means of Compliance” is “AMEL-TT.”**

Enclosed-Vented Process Unit AMEL-TT:

Enter “YES” if the fugitive unit contains an enclosed-vented process unit complying with the alternate method of emission limitation (AMEL) in 40 CFR § 63.1016(a). Otherwise, enter “NO.”

Enclosed-Vented Process Unit AMEL-TT ID No.:

If an AMEL under 40 CFR part 63, subpart TT as specified in § 63.1016(a) has been approved, enter the corresponding AMEL unique identifier for each equipment leak component (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

General AMEL-TT:

Enter “YES” if the fugitive unit is complying with the AMEL in 40 CFR § 63.1002(b). Otherwise, enter “NO.”

General AMEL-TT ID No.:

If an AMEL under 40 CFR part 63, subpart TT as specified in § 63.1002(b) has been approved, enter the corresponding AMEL unique identifier for each equipment leak component (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

- ★ **Complete “TT Units Without an AMEL” only if “Means of Compliance” is “AMEL-TT.”**

TT Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an alternative means of emission limitation in 40 CFR §§ 63.1002(b), 63.1016(a), or 63.7920. Otherwise, enter “NO.”

- ★ **Go to Table 21s if “Means of Compliance” is “63TT,” or “TT Units Without an AMEL” is “YES.”**

**Tables 21s – 21y: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63),
Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants:
Site Remediation**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart GGGGG Fugitive Unit Components Complying with MACT TT:

The columns on Tables 21s through 21y correspond to the fugitive unit components (group of equipment) performing site remediation as described in 40 CFR Part 63, Subpart GGGGG complying with 40 CFR Part 63, Subpart TT. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart GGGGG only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart GGGGG Fugitive Unit Components Complying with MACT TT

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 21s</i>)
	Heavy Liquid Service (<i>Table 21s</i>)
Compressors	Any (<i>Table 21s</i>)
Pressure Relief Devices	Gas/Vapor Service (<i>Table 21t</i>)
	Liquid Service (<i>Table 21t</i>)
Sampling Connection Systems	Any (<i>Table 21t</i>)
Open-ended Valves or Lines	Any (<i>Table 21t</i>)
Valves	Gas/Vapor or Light Liquid Service (<i>Table 21t</i>)
	Heavy Liquid Service (<i>Table 21t</i>)
Connectors	Gas/Vapor and Light Liquid Service (<i>Table 21u</i>)
	Heavy Liquid Service (<i>Table 21u</i>)
Agitators	Gas/Vapor and Light Liquid Service (<i>Table 21u</i>)
	Heavy Liquid Service (<i>Table 21u</i>)
Instrumentation Systems	Any (<i>Table 21u</i>)
Closed Vent Systems	Fuel Gas System or Process (<i>Table 21u</i>)
Closed Vent Systems and Control Devices (CVSCD)	Non-flare Reducing Emissions with 95% Efficiency (<i>Table 21v</i>)
	Non-flare Reducing Emissions to 20 ppmv (<i>Table 21v</i>)
	Enclosed Combustion Device (<i>Table 21v</i>)
	Flare (<i>Table 21w</i>)
	63GGGGG-Regenerable Carbon Adsorption System (<i>Table 21w</i>)
	63GGGGG-Non-Regenerable Carbon Adsorption System (<i>Table 21w</i>)
	63GGGGG-Condenser (<i>Table 21x</i>)
	63GGGGG-Thermal Incinerator (<i>Table 21x</i>)
	63GGGGG-Catalytic Incinerator (<i>Table 21x</i>)
	63GGGGG-Boiler or Process Heater (<i>Table 21y</i>)
	63GGGGG-Flare (<i>Table 21y</i>)

★ Complete the Following Items, Where Appropriate.

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. Use multiple lines if more than one control device is used. If there is no control device, then leave this column blank.

Handling Polymerizing Monomers:

Enter “YES” if the fugitive unit contains any pumps in light liquid service that are handling polymerizing monomers. Otherwise, enter “NO.”

In Food or Medical Service:

Enter “YES” if the fugitive unit contains any pumps in light liquid service that are in food or medical service. Otherwise, enter “NO.”

Complying with § 63.1007:

Enter “YES” if the fugitive unit contains any pumps in light liquid service complying with § 63.1007. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with § 63.1007” if there are any pumps in light liquid service not doing one of the following:

- *Operating using the compliance options under “Handling Polymerizing,” or “In Food or Medical Service.”*

Table 21z: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

- ★ **Complete “Negative Pressure” only if “Type of Service or Control Device” is “Non-flare Reducing Emissions with 95% Efficiency,” “Non-flare Reducing Emissions to 20 ppmv,” “Enclosed Combustion Device,” or “Flare”.**

Negative Pressure:

Enter “YES” if the Closed Vent System is operated and maintained under negative pressure. Otherwise, enter “NO.”

- ★ **Complete “Bypass Device” only if “Negative Pressure” is “NO.”**

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	The closed vent system does not have a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process
FLOW	Flow indicator installed at the inlet of the bypass device
SEC	Bypass device valves are secured in the closed position with a car-seal or lock-and-key configuration

- ★ **Go to Table 21aa if “Type of Service or Control Device” is “63GGGGG-Regenerable Carbon Adsorption System,” “63GGGGG-Non-Regenerable Carbon Adsorption System,” “63GGGGG-Condenser,” “63GGGGG-Thermal Incinerator,” “63GGGGG-Catalytic Incinerator,” “63GGGGG-Boiler or Process Heater,” or “63GGGGG-Flare.”**

★ **Complete “Flare Compliance” only if “Type of Service or Control Device” is “Flare.”**

Flare Compliance:

Select the option that describes means of demonstrating flare performance and compliance. Enter the code on the form.

Code	Description
PRIOR	Test data from a prior performance test or compliance assessment is used to demonstrate flare compliance as described in § 63.997(b)(2)
WAIVER	A waiver of performance testing or compliance assessment has been granted by the Administrator
TEST	Performance tests are conducted according to applicable flare requirements in 40 CFR Part 63 Subpart SS

Table 21aa: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Alternative Work Practice Standards:

Enter “YES” if an alternative to work practice standards for the closed vent system and control device has been approved by the EPA. Otherwise, enter “NO.”

Alternative Work Practice Standards ID No.:

If an Alternative Work Practice Standard has been approved, then enter the corresponding Alternative Standard unique identifier for each unit or process. If the unique identifier is unavailable, then enter the date of the Alternative Standard approval letter. The unique identifier and/or the date of the approval letter are contained in the Compliance File under the appropriate regulated entity number. Otherwise, leave this column blank.

★ **Complete “Design Evaluation” only if “Type of Service or Control Device” is “63GGGGG-Regenerable Carbon Adsorption System,” “63GGGGG-Non-Regenerable Carbon Adsorption System,” “63GGGGG-Condenser,” “63GGGGG-Thermal Incinerator,” “63GGGGG-Catalytic Incinerator,” or “63GGGGG-Boiler or Process Heater.”**

Design Evaluation:

Enter “YES” if design evaluation is used to demonstrate initial control device compliance. Otherwise, enter “NO.”

Bypass Device:

Select the option that describes the bypass device on the closed vent system. Enter the code on the form.

Code	Description
NONE	No bypass device
FLOW	Bypass device is equipped with a flow indicator
FLOW-H	Bypass device is equipped with a flow indicator and the closed vent system is inspected and monitored as specified in 40 CFR § 63.7927(a)(1)(ii)
SEAL	Bypass device is equipped with a seal or locking device
SEAL-H	Bypass device is equipped with a seal or locking device and the closed vent system is inspected and monitored as specified in 40 CFR § 63.7927(a)(1)(ii)

Continuous Emissions Monitoring System:

Enter “YES” if a continuous emissions monitoring system (CEMS) is used to monitor the control device. Otherwise, enter “NO.”

CVSCD Continuous Compliance:

Select one of the following options for closed vent system setup to determine means of continuous compliance.

Code	Description
NOEM	The closed vent system is designed to operate with no detectable organic emissions, as specified in 40 CFR § 63.7928(b)(1)
BAP	The closed vent system is designed to operate below atmospheric pressure, as specified in 40 CFR § 63.7928(b)(2)
CVS-H	The closed vent system is monitored as specified in 40 CFR § 63.7928(b)(5)

Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

- ★ Complete Table 22a-b for Centrifugal Compressor and Reciprocating Compressor affected facilities.
- ★ Complete Table 22c-d for Pneumatic Controller and Pneumatic Pump affected facilities.
- ★ Complete Table 22e-o for a collection of fugitive components.

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Compressor Type:

Select one of the following codes that describes the compressor at the site. Enter the code on the form.

For Centrifugal Compressors:

Code	Description
CCWELL	Centrifugal compressor located at a well site
CCOMPDS	Centrifugal compressor using dry seals
CCOMPWS	Centrifugal compressor using wet seals

For Reciprocating Compressors:

Code	Description
RCWELL	Reciprocating compressor located at a well site
RC26K-	Reciprocating compressor rod packing being replaced on or before 26,000 hours of operation
RC36-	Reciprocating compressor rod packing being replaced prior to 36 months from the date of the previous replacement or startup
RCCVS	Reciprocating compressor where emissions are routed through a closed vent system to a process or control device

▼ **Continue only if “Compressor Type” is “CCOMPWS,” “RC26K-,” “RC36-,” or “RCCVS.”**

Alternate Control Requirement:

Enter “YES” if using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies which have been approved by the TCEQ executive director. Otherwise, enter “NO.”

ACR ID No.:

If an ACR has been approved, then enter the corresponding ACR unique identifier for each unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

▼ **Continue only if “Alternate Control Requirement” is “NO.”**

Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

★ **Complete “Control Option” only if “Compressor Type” is “CCOMPWS” or “RCCVS.”**

Control Option:

Select one of the following codes that describe the control option for the centrifugal compressor. Enter the code on the form.

Code	Description
CD95	Emissions from closed vent system routed to a control device maintaining a VOC control efficiency of at least 95%
CD275	Emissions from closed vent system routed to a control device maintaining a VOC control concentration of equal to or less than 275 parts per million by volume (ppmv)
PRO95	Emissions from closed vent system routed to a process maintaining a VOC control efficiency of at least 95%
FLARE	Emissions from closed vent system routed to a flare

- ★ **Complete “Control Device” and “Control Device ID No.” only if “Control Option” is “CD95” or “CD275” and “Compressor Type” is “CCOMPWS” or “RCCVS.”**

Control Device:

Select one of the following codes that describe the control device for the compressor. Enter the code on the form.

Code	Description
BPH44+	Boiler or process heater with a design heat input capacity of 44 MW or greater
BPHPF	Boiler or process heater where the vent stream is introduced with the primary fuel or used as the primary fuel
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW
DFI	Direct flame incinerator
CVI	Catalytic vapor incinerator
REGEN	Regenerable carbon adsorption system
NONREGEN	Non-regenerable carbon adsorption system
COND	Condenser
VAPOR	Vapor Recovery Unit
OTHCCD	Other combustion control device
OTHNCCD	Other non-combustion control device

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. If there is no control device, then leave this column blank.

- ★ **Do not complete “Bypass Device” if “Compressor Type” is “RC26K-” or “RC36.”**

Bypass Device:

Enter “YES” if the closed vent system has a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process. Otherwise, enter “NO.”

- ▼ **Do not continue if “Control Device” is “BPH44+” or “BPHPF.”**

Unsafe to Monitor:

Enter “YES” if the component has any parts designated as unsafe to monitor. Otherwise, enter “NO.”

Difficult to Monitor:

Enter “YES” if the component has any parts designated as difficult to monitor. Otherwise, enter “NO.”

Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Pneumatic Facility Type:

Select one of the following codes that describes the pneumatic pump/controller at the site. Enter the code on the form.

For Pneumatic Pumps:

Code	Description
PP90-	Pneumatic Pump at a well site that operates fewer than 90 days per year
PPNG	Pneumatic Pump located at a natural gas processing plant
PPWELL	Pneumatic Pump located at a well site

For Pneumatic Controllers:

Code	Description
PCNG	Pneumatic Controller located at a natural gas processing plant with a bleed rate of zero
PC6-	Pneumatic Controller not located at a natural gas processing plant with a bleed rate of less than or equal to 6 standard cubic feet per hour

Alternate Control Requirement:

Enter “YES” if using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies which have been approved by the TCEQ executive director. Otherwise, enter “NO.”

ACR ID No.:

If an ACR has been approved, then enter the corresponding ACR unique identifier for each unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

▼ Continue to Table 22d only if “Facility Type” is “PPWELL” and “Alternate Control Requirement” is “NO.”

Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Control Device:

Select one of the following codes that describe the control device for the pneumatic pump. Enter the code on the form.

Code	Description
PRO	Emissions from closed vent system routed to a process
BPH44+	Boiler or process heater with a design heat input capacity of 44 MW or greater
BPHPF	Boiler or process heater where the vent stream is introduced with the primary fuel or used as the primary fuel
BPH44-	Boiler or process heater with a design heat input capacity of less than 44 MW
DFI	Direct flame incinerator
CVI	Catalytic vapor incinerator
FLARE	Flare
REGEN	Regenerable carbon adsorption system
NONREGEN	Non-regenerable carbon adsorption system
COND	Condenser
VAPOR	Vapor Recovery Unit
OTHCCD	Other combustion control device
OTHNCCD	Other non-combustion control device

Control Device ID No.:

If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM. If there is no control device, then leave this column.

Bypass Device:

Enter "YES" if the closed vent system has a bypass device that could be used to divert all or a portion of the gases, vapors, or fumes from entering the control device or to a process. Otherwise, enter "NO."

▼ **Do not continue if "Control Device" is "BPH44+" or "BPHPF."**

Unsafe to Monitor:

Enter "YES" if the component has any parts designated as unsafe to monitor. Otherwise, enter "NO."

Difficult to Monitor:

Enter "YES" if the component has any parts designated as difficult to monitor. Otherwise, enter "NO."

Table 22e-22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), Subchapter B, Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: For the group of equipment within a process unit that is located at an onshore natural gas processing plant, some fugitive units may have all equipment identified in 30 TAC Chapter 115, Subchapter B, Division 7. Applicants may choose to identify the SOP index number as “R5170-ALL” in lieu of the corresponding unit attributes information. Use of this index number will imply that all requirements in the regulation, other than closed vent system and control device requirements, apply to the fugitive unit. If closed vent systems and control devices are also used to comply, this information, with identification numbers, must be submitted on the appropriate table of the form. Please note that this index number cannot be used if an alternative has been approved or for GOP applications.

Fugitive Component:

Select one of the following codes that describes the type of fugitive components at the site. Enter the code on the form.

Code	Description
FCNG1-	Collection of fugitive components located at a natural gas processing plant that have contact with a process fluid containing less than 1.0% VOC by weight
SAMPNG	Affected facility is a sampling connection system at a natural gas processing plant that meets the requirements of 40 CFR §63.166(a) and (b)
FCWS	Collection of fugitive components located at a well site
FCWS3-	Collection of fugitive components located at a well site producing less than 15 barrels per day on average
FCGBS	Collection of fugitive components located at a gathering or boosting station
FCNG	Collection of fugitive components located at a natural gas processing plant
WSNAD	Well site contains one or more wellheads and no additional equipment

▼ **Continue only if “Fugitive Component” is “FCNG”, “FCGBS”, or “FCWS.”**

Components Utilizing Alternative Work Practice in § 115.358:

Enter “YES” if any of the components are utilizing the alternative work practices in §115.358. Otherwise, enter “NO.”

▼ **Continue only if “Fugitive Component” is “FCNG.”**

Title 30 TAC § 115.177 Fugitive Unit Components:

The columns on Tables 21c through 21h correspond to the fugitive unit components (group of equipment) within a process unit located at a natural gas processing plant as addressed in 30 TAC § 115.177. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 30 TAC § 115.177 only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 30 TAC § 115.177 Fugitive Unit Components

Component Type	Type of Service
Pumps (<i>Table 22f</i>)	Light Liquid VOC Service
Pumps (<i>Table 22g</i>)	Heavy Liquid VOC Service
Valves (<i>Table 22h</i>)	VOC Service
Flanges (<i>Table 22i</i>)	VOC Service
Connectors (<i>Table 22j</i>)	VOC Service
Pressure Relief Devices (<i>Table 22k</i>)	VOC Service
Sampling Connections (<i>Table 22l</i>)	VOC Service
Process Drains (<i>Table 22m</i>)	VOC Service
Compressors (<i>Table 22n</i>)	VOC Service

Alternate Control Requirement:

The TCEQ Executive Director may have approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement (ACR) or exemption criteria for certain fugitive unit components.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an ACR, enter "YES." Otherwise, enter "NO."

ACR ID No.:

If an ACR has been approved, then enter the corresponding ACR unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the ACR approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with 30 TAC § 115.177(b)(1):

Enter "YES" if any of the indicated fugitive components are complying with the requirements in 30 TAC § 115.177(b)(1). Otherwise, enter "NO."

Polymerizing Monomer:

Enter "YES" if any of the pumps used for a polymerizing monomer. Otherwise, enter "NO."

Not Polymerizing Monomer:

Enter "YES" if any of the pumps used for a substance is not a polymerizing monomer. Otherwise, enter "NO."

Components Utilizing Alternative Work Practice in § 115.358:

Enter "YES" if any of the components are utilizing the alternative work practices in §115.358. Otherwise, enter "NO."

Title 30 TAC § 115.177 Fugitive Unit Description:

Provide a brief description of the area containing the fugitive equipment or the grouping of equipment (maximum 250 characters). Example descriptions include: "transfer and loading fugitives," "storage area fugitives," "manufacturing fugitives," "pipeline fugitives," etc. Use multiple lines, if necessary.

Table 23a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

- ★ **Complete this table only for an Organic Liquids Distribution (OLD) operation located at or part of a major source of HAP emissions, or was a major source of HAPs on September 10, 2024, which do not qualify for the §63.2334(b), (c)(1)-(2), or §63.2338(c)(1)-(3) exemptions whose fugitive unit components operate for at least 300 or more hours per year.**

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Note to SOP Applicants: Some fugitive units may have all equipment identified in 40 CFR Part 63, Subpart EEEE. Applicants may choose to identify the SOP index number as “63EEEETT-ALL”, if the unit is complying using the 40 CFR Part 63, Subpart TT option, “63EEEEUU-ALL”, if the unit is complying using the 40 CFR Part 63, Subpart UU option, or “63EEEEH-ALL”, if the unit is complying using the 40 CFR Part 63, Subpart H option, in lieu of the corresponding unit attribute information. Use of this index number will imply that all requirements in the regulation apply to the fugitive unit. Please note that this index number cannot be used if an alternative has been approved.

Means of Compliance:

Select one of the following options for means of compliance with this rule. Enter the code on the form.

Code	Description
63TT	Equipment leaks are controlled according to applicable requirements in 40 CFR Part 63, Subpart TT, excluding alternative means of emission limitation.
AMEL-TT	Equipment leaks are controlled according to applicable alternative means of emission limitation requirements in 40 CFR Part 63, Subpart TT as specified in §63.1002(b).
63UU	Equipment leaks are controlled according to applicable requirements in 40 CFR Part 63, Subpart UU.
63H	Equipment leaks are controlled according to applicable requirements in 40 CFR Part 63, Subpart H, excluding alternative means of emission limitation.
AMEL-H	Equipment leaks are controlled according to applicable alternative means of emission limitation requirements in 40 CFR Part 63, Subpart UU as specified in §63.177.

- ★ **Complete “General AMEL ID No.” only if “Means of Compliance” is “AMEL-TT” or “AMEL-H.”**

General AMEL ID No.:

If an AMEL under 40 CFR Part 63, Subpart TT as specified in §63.1002(b) or under 40 CFR Part 63, Subpart H as specified in §63.177(a) has been approved, enter the corresponding AMEL unique identifier for each fugitive unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

- ★ **Complete “TT Units Without an AMEL” only if “Means of Compliance” is “AMEL-TT.”**

TT Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an alternative means of emission limitation in 40 CFR §§ 63.1002(b). Otherwise, enter “NO.”

★ **Complete “Heavy Liquid Service” only if “Means of Compliance” is “AMEL-H.”**

Heavy Liquid Service:

Enter “YES” if the fugitive unit complying with the AMEL in 40 CFR §63.177 contains equipment in heavy liquid service. Otherwise, enter “NO.”

★ **Complete “H Units Without an AMEL” only if “Means of Compliance” is “AMEL-H.”**

H Units Without an AMEL:

Enter “YES” if the fugitive unit contains any equipment or process units not complying with an AMEL limitation in 40 CFR § 63.177. Otherwise, enter “NO.”

★ **Go to Table 23b if “Means of Compliance” is “63TT,” or “TT Units Without an AMEL” is “YES.”**

★ **Go to Table 23c if “Means of Compliance” is “63UU”.**

★ **Go to Table 23h if “Means of Compliance” is “63H” or “H Units Without an AMEL” is “YES.”.**

Tables 23b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT TT:

The columns on Table 23b correspond to the fugitive unit components (group of equipment) addressed in 40 CFR Part 63, Subpart EEEE that are complying with 40 CFR Part 63, Subpart TT. In the row for each fugitive unit Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart EEEE only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT TT

Component Type	Type of Service or Control Device
Valves	Light Liquid Service (<i>Table 23b</i>)
	Heavy Liquid Service (<i>Table 23b</i>)
Pumps	Light Liquid Service (<i>Table 23b</i>)
	Heavy Liquid Service (<i>Table 23b</i>)
Sampling Connection Systems	Any (<i>Table 23b</i>)
Open-ended Valves	Any (<i>Table 23b</i>)

Tables 23c – 23g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).
Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT UU:

The columns on Tables 23c through 23g correspond to the fugitive unit components (group of equipment) addressed in 40 CFR Part 63, Subpart EEEE that are complying with 40 CFR Part 63, Subpart UU. In the row for each fugitive unit component Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart EEEE only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT UU

Component Type	Type of Service or Control Device
Valves	Light Liquid Service (<i>Table 23c</i>)
	Heavy Liquid Service (<i>Table 23c</i>)
Pumps	Light Liquid Service (<i>Table 23d</i>)
	Heavy Liquid Service (<i>Table 23e</i>)
Sampling Connection Systems	Any (<i>Table 23f</i>)
Open-ended Valves	Any (<i>Table 23g</i>)

★ **Complete the Following Items, Where Appropriate.**

AMEL:

An alternative emission limitation (AMEL) approved by the EPA Administrator under 40 CFR §63.1021(b) may be used for certain equipment leak components to achieve a reduction in HAP emissions at least equivalent to the reduction in HAP emissions achieved by controls required in 40 CFR Part 63, Subpart UU sections §63.1025 through §63.1034.

If any of the type of fugitive unit components indicated in the preceding columns are complying with an AMEL, enter "YES." Otherwise, enter "NO."

AMEL ID No.:

If an alternative emission limitation (AMEL) has been approved, enter the corresponding AMEL unique identifier for each equipment leak unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter in the table column. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Complying with §63.1025:

Enter "YES" if the fugitive unit contains any valves in light liquid service that are complying with §63.1025. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 63.1025" unless all of the valves in light liquid service are operating under an AMEL.

Complying with §63.1029:

Enter "YES" if the fugitive unit contains any valves in heavy liquid service or a pumps in heavy liquid service that are complying with §63.1029. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 63.1029" unless all of those specified fugitive unit components are operating under an AMEL.

Dual Mechanic Seal:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are equipped with a dual mechanical seal system that includes a barrier system. Otherwise, enter "NO."

No Externally Actuated Shaft:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are designed with no externally actuated shaft penetrating the pump house. Otherwise, enter "NO."

Routed to Process or Fuel Gas System or Equipped CVS:

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are routed to a process or fuel gas system or equipped with a closed vent system as described in §63.1026(e)(3). Otherwise, enter "NO."

Complying with §63.1026(b):

Enter "YES" if the fugitive unit contains any pumps in light liquid service that are complying with §63.1026(b).

Note: Enter "YES" for "Complying with §63.1026(b)" if there are any pumps in light liquid service that are not doing one of the following:

- *Operating under an AMEL, or using the compliance options under "Dual Mechanic Seal," "No Externally Actuated Shaft," or "Routed to Process or Fuel Gas System or Equipped CVS."*

Heavy Liquid Service:

Enter "YES" if the fugitive unit component is in heavy liquid service. Otherwise, enter "NO".

Complying with §63.1032:

Enter "YES" if the fugitive unit contains sampling connection systems that are complying with §63.1032. Otherwise, enter "NO."

Note: Enter "YES" for "Complying with 40 CFR § 63.1032" unless all of the sampling connection systems are operating under an AMEL.

Complying with §63.1033:

Enter “YES” if the fugitive unit contains any open-ended valves that are complying with §63.1033. Otherwise, enter “NO.”

Note: Enter “YES” for “Complying with 40 CFR § 63.1032” unless all of the open-ended valves are operating under an AMEL.

Tables 23h – 23i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).

Unit ID No.:

Enter the identification number (ID No.) for the fugitive unit (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP Index No.:

Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please see the Completing FOP Applications – Additional Guidance on the TCEQ website at www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT H:

The columns on Tables 23h through 23i correspond to the fugitive unit components (group of equipment) addressed in 40 CFR Part 63, Subpart EEEE that are complying with 40 CFR Part 63, Subpart H. In the row for each fugitive unit component Identification number, enter a “YES” in a column if the described component(s) are included in the fugitive unit. If no such components are present in the fugitive unit, enter a “NO” in the column. Indicate components subject to 40 CFR Part 63, Subpart EEEE only. This information will ensure that only the appropriate requirements for each fugitive unit are reflected in the permit. The following table lists the component types.

Title 40 CFR Part 63, Subpart EEEE Fugitive Unit Components Complying with MACT H

Component Type	Type of Service or Control Device
Pumps	Light Liquid Service (<i>Table 23h</i>)
	Heavy Liquid Service (<i>Table 23h</i>)
Sampling Connection Systems	Any (<i>Table 23h</i>)
Valves	Light Liquid Service (<i>Table 23i</i>)
	Heavy Liquid Service (<i>Table 23i</i>)
Open-ended Valves	Any (<i>Table 23i</i>)

★ **Complete the Following Items, Where Appropriate.**

Heavy Liquid Service:

Enter “YES” if the fugitive unit component is in heavy liquid service. Otherwise, enter “NO”.