

**Form OP-UA7 -Instructions**  
**Flare Attributes**  
**Texas Commission on Environmental Quality**

The unit attributes (OP-UA) forms are used to provide a description and data pertaining to all emission units, emission points, processes and control devices with potentially applicable requirements associated with a particular regulated entity (RN) number and application. The information will be provided in an excel format. Each OP-UA form will include sheets for General Information, a Table of Contents, OP-SUM, OP-REQ2, and the unit attribute tables. The individual unit summary (OP-SUM) information and the negative applicable/superseded requirement determinations (OP-REQ2) will be provided on each individual OP-UA form for the applicable units identified in the unit attribute tables.

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**General Information Sheet**

The General Information sheet holds the permit information. The following permit application information is requested for the site:

**Date:**

Enter the date the application is being submitted by the applicant to TCEQ (MM/DD/YYYY). Any subsequent submittals must show the date of revision.

**Customer Reference No. (CN):**

Enter the customer reference number (CNXXXXXXXXXX). This number is issued by TCEQ as part of the central registry process. If a customer reference number has not yet been issued, leave this space blank. Do not enter permit numbers, project numbers, account numbers, etc., in this space.

**Regulated Entity No. (RN):**

Enter the regulated entity reference number for the site (RNXXXXXXXXXX). This number is issued by TCEQ as part of the central registry process. If a regulated entity reference number has not yet been issued, leave this space blank. Do not enter permit numbers, project numbers, account numbers, etc., in this space.

**Permit No.:**

Enter the permit number assigned by TCEQ. Leave the permit number blank if a permit number has not been assigned.

**Permit Area Name:**

Enter the name of the application area (maximum 50 characters). This should be the same name provided on Form OP-1 (Site Information Summary).

**Permit Type:**

Choose the type of permit for which this application is being submitted from the dropdown menu (SOP, GOP, TOP).

Information on the different permit types can be found on TCEQ's website at:

[www.tceq.texas.gov/permitting/air/titlev/permit\\_types.html](http://www.tceq.texas.gov/permitting/air/titlev/permit_types.html).

**Project Type:**

Choose the project type for which this application is being submitted from the dropdown menu (Initial, Revision, Renewal).

**Submission Type:**

Choose the submission type for which this form is being submitted from the dropdown menu (New Application, Existing Application Update).

**Project Number:**

Enter the project number assigned by TCEQ. Leave the project number blank if a project number has not been assigned.

Title V Form Release Date, Form Number, APD ID Number, and Version Revised Date are present and cannot be altered.

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## Table of Contents Sheet

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

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## Instructions for OP-SUM Sheet

### General:

All control devices with one or more potentially applicable requirements addressed in this form must be identified on the OP-SUM sheet.

The purpose of this sheet is to list individual control devices addressed in the Federal Operating Permit (FOP) application and to provide identifying information and preconstruction authorizations. This form is also used to designate members of groups.

The corresponding preconstruction authorization for control devices must also be listed on this form. For control devices which were authorized to construct or modify under Permits by Rule (PBR), list all applicable PBR information, including registration numbers. If a control device is authorized under more than one preconstruction authorization, then list all applicable preconstruction authorizations, including any Prevention of Significant Deterioration (PSD) and/or nonattainment permit(s).

### Groups:

- A “group” is a collection of units/processes or devices that have identical applicability (or non-applicability) determinations and may, or may not, have a physical relationship.
- Group members may have different 30 TAC Chapter 116 or 30 TAC Chapter 106 preconstruction authorizations.
- Groups may be used on UA forms only if all unit attributes are identical.
- All groups must be mutually exclusive. Control devices cannot be listed in more than one group on a given UA form.
- Grouping is optional.
- Groups are assigned an ID No. by the applicant, which must begin with the prefix “GRP” followed by a maximum of eleven characters (GRPXXXXXXX).

### Specific:

#### Table 1

### Unit Action Indicator (Unit AI):

Select “A” from the dropdown menu if the control device indicated is an addition to the permit. Select “D” from the dropdown menu if the existing control device indicated is being deleted from the permit. If the control device is not being added/deleted from the permit, leave blank.

### Revision No.:

Complete this section only for a permit revision or renewal. Enter the revision number identified on Form OP-2, Table 2. This number will link the specified change to the appropriate permit revision. If no changes are made to a control device addressed on this form in the permit, leave blank.

**Control Device ID No.:**

Each control device must be assigned an identification number. (Maximum 14 characters)

- For control devices with potentially applicable requirements, enter Facility ID Nos. (FINs) as listed in the TCEQ State of Texas Air Reporting System (STARS).
- If FIN currently does not exist in STARS, then a new ID No. that is consistent with the existing numbering system must be provided by the applicant. Control Device ID Nos. cannot begin with “GRP” (the character sequence reserved for Group ID Nos.).

**Group ID No.:**

If applicable, enter the unique identification number for the group which includes this control device (GRPXXXXXX) (“GRP” followed by a maximum of 11 characters) If the process is not a member of a group, leave this column blank. (See general instructions, above, for information regarding requirements for grouping control devices in FOP applications.)

**Control Device Name/Description:**

Each control device must be given a name or description that distinguishes it from other control devices as much as practicable. The Name/Description should clearly indicate the type of control device. (Maximum 50 characters)

- Enter a text name or description for the control device from STARS whenever possible.
- If no STARS name currently exists, a new name that is consistent with the existing naming convention must be provided by the applicant.

**Example:** The following example is intended as guidance on completion of columns on OP-SUM. It should be assumed that all criteria for inclusion in the application are met. Criteria for grouping are also assumed to be satisfied.

Control Device ID No.	Group ID No.	Name/Description
FLARE1	GRPFLARE	Flare 1
FLARE2	GRPFLARE	Flare 2
FLARE3		Flare 3

**CAM (For reference only):**

Indicate if the control device is subject to 40 CFR Part 64 by selecting “Y” from the dropdown menu in the “CAM” column next to the control device. Please refer to 40 CFR Part 64 to determine applicability. *Certification by the Responsible Official (RO) pursuant to 30 TAC § 122.165 does not extend to the information which is designated on forms as “For reference only.”*

**Preconstruction Authorizations (PCA):**

At least one PCA must be indicated for each control device; however, a control device may have multiple authorizations. *All preconstruction authorizations listed on this form must also be identified on Form OP-REQ1.*

When a control device has multiple authorizations, each PCA must be listed in a separate row.

The following examples are intended as guidance on completion of columns for the preconstruction authorizations. The examples are followed by specific instructions for each column.

*Example 1: Adding multiple PCA Categories*

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
A		Flare1		Diamine Flare	Y	A	NSR Permit	1234		
A		Flare1		Diamine Flare	Y	A	PSD	PSDTX1234		
A		Flare1		Diamine Flare	Y	A	PBR	23456, 34567	106.261	11/01/2003
A		Flare1		Diamine Flare	Y	A	PBR	23456, 34567	106.262	11/01/2003

*Example 2: Adding and deleting a PCA*

Unit AI	Revision No.	Unit ID No.	Group ID No.	Unit Name/Description	CAM	PCA AI	Preconstruction Authorization (PCA) Category	Authorization/Registration Number	Permit By Rule (PBR) Number	PBR Effective Date
		T-3	GRPTANKS	Tank 3		A	Standard Permit	12345		
		T-3	GRPTANKS	Tank 3		D	PBR		106.432	09/04/2000

**Preconstruction Authorization Action Indicator (PCA AI):**

Select “A” from the dropdown menu if a preconstruction authorization is being added for the control device. Select “D” from the dropdown menu if a preconstruction authorization is being deleted from the control device. If a preconstruction authorization is not being added/deleted from the control device, leave blank.

**Preconstruction Authorization (PCA) Category:**

Select from the dropdown menu the category of the PCA being added or deleted.

- PBR - Permit by Rule claimed or registered under 30 TAC Chapter 106
- Standard Permit - 30 TAC Chapter 116 and non-rule Air Quality Standard Permits
- NSR Permit - 30 TAC Chapter 116 preconstruction authorizations
- PSD - Prevention of Significant Deterioration Permits
- Nonattainment - Nonattainment Permits
- GHG – Greenhouse Gas Permits
- 112(G) [HAP] - Hazardous Air Pollutant Permits
- MSW or IHW - Municipal Solid Waste or Industrial Hazardous Waste Permits
- Exemption – De Minimis Facilities or Sources authorized by 30 TAC Chapter 116, § 116.119

**Authorization/Registration Number:**

List all TCEQ permit numbers for 30 TAC Chapter 116 preconstruction authorizations, Title I preconstruction authorizations (PSD and nonattainment permits) and 30 TAC Chapter 106 (PBR) registration numbers, under which the process is operating.

- **30 TAC Chapter 116 Permits:** Enter the TCEQ permit number, for example, 12345. This includes special permits and standard permit registrations.
- **Prevention of Significant Deterioration (PSD) Permit:** Enter the PSD permit number (PSDTXXXX), for example, PSDTX123. If the PSD permit has been modified, include the “M” suffix (PSDTXXXXMXX), for example, PSDTX123M5. *Title I authorizations should only be listed for processes addressed by the PSD or*

*nonattainment permits.*

- **Nonattainment Permit:** Enter each nonattainment permit number (NXXX), for example, N123. If the nonattainment permit has been modified, include the “M” suffix (NXXXMXX), for example, N123M5. *Title I authorizations should only be listed for processes addressed by the PSD or nonattainment permits.*
- **Permit by Rule (previously Standard Exemption):** Enter the PBR Registration No. for each PBR registered under 30 TAC Chapter 106 and each standard exemption previously registered under 30 TAC Chapter 116.
- **Exemption:** Enter 116.119 for a de minimis facility or source, which has other potentially applicable or applicable requirements (these are authorized by 30 TAC Chapter 116, § 116.119). *De minimis facilities or sources should not be included if there are no other potentially applicable or applicable requirements.*

#### Permit by Rule (PBR) Number:

For each PBR claimed or registered under 30 TAC Chapter 106, and each standard exemption claimed or registered previously under 30 TAC Chapter 116, enter the number in the appropriate format shown below.

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

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

XXX = 30 TAC Chapter 116 standard exemption number or 30 TAC Chapter 106 PBR number.

#### PBR Effective Date:

For each PBR claimed or registered under 30 TAC Chapter 106 and each standard exemption claimed or registered, enter the effective date of the rule. MM/DD/YYYY = *Effective date of the Standard Exemption or PBR in effect at the time claimed or granted. Information on version dates is available at:*

Information on Chapter 116 version dates is available at:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/oldselist/se\\_index.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html).

Information on Chapter 106 version dates is available at:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/old106list/index106.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html).

Please note that prior to March 14, 1997, a standard exemption list was incorporated by reference into 30 TAC Chapter 116 and each standard exemption had an assigned number, e.g., 112. Each standard exemption now resides in a section of 30 TAC Chapter 106 (e.g., 30 TAC § 106.148) and now is referred to as a PBR.

(Standard exemptions were readopted under the PBR designation on March 14, 1997.) Information regarding PBRs may be found on the TCEQ website at <https://www.tceq.texas.gov/permitting/air/permitbyrule/air-pbr>.

The applicant has the option of claiming a newer and more stringent version of the standard exemption or PBR if the original applicable version of the standard exemption or PBR cannot easily be determined. As an example of a standard exemption authorized before March 14, 1997, Standard Exemption No. 6 had an effective date of August 30, 1988. It was then amended with a new effective date of July 20, 1992. The standard exemption identifier for a compressor engine constructed in 1993 and registered under Standard Exemption No. 6 would be represented as:

Permit By Rule (PBR) Number	PBR Effective Date
6	07/20/1992

As an example of a PBR authorized on or after March 14, 1997, Standard Exemption No. 6 had an effective date of June 7, 1996. It was then amended and moved to 30 TAC § 106.512 with an effective date of March 14, 1997. The PBR identifier for a compressor engine constructed in 1998 and registered under 30 TAC § 106.512 would be represented as:

Permit By Rule (PBR) Number	PBR Effective Date
106.512	03/14/1997

## Instructions for OP-REQ2 Sheet

### General:

The purpose of this sheet is to document negative applicability from potentially applicable requirements or to document duplicative, redundant, and or contradicting requirements that have been superseded by a more stringent or equivalent requirement for control devices when a permit shield is requested. Negative applicability or superseded requirement determinations when a permit shield is NOT requested may be documented on this sheet OR the appropriate unit attribute table.

A negative applicability determination is any regulatory citation that provides the basis whereby every operating condition of a control device is not subject to a regulation. For example, Title 40 Code of Federal Regulation § 60.110b(a) [40 CFR § 60.110b(a)] could be the regulatory basis for a negative applicability determination for a VOC storage tank of less than 75 cubic meters; therefore, the storage tank is completely exempt from 40 CFR Part 60, Subpart Kb.

*Note: Numerous regulatory citations appear to authorize exemptions to qualifying control devices from those regulations. However, closer examination typically reveals that there are still some requirements which must still be met (such as monitoring and/or recordkeeping).*

For certain control devices subject to certain 40 CFR Part 63 standards, other federal regulations may apply. In many instances one of the overlapping regulations may specify which rule supersedes the other. The regulation may state that the owner or operator only has to comply with a specific subpart after the compliance date or it may state that compliance with the subpart is deemed to be in or constitute compliance with other subparts. Although superseded rules do not qualify as negative applicability determinations, it has been determined that these instances can be documented on the OP-REQ2, if the applicant elects to comply only with the superseding requirement. For example, a flare subject to a 40 CFR Part 60, 61, or 63 subpart which allows for compliance with 40 CFR §63.670 may not be required to comply with that subpart due to rule overlap of 40 CFR Part 63, Subpart CC. In this case, the permit applicant may request a permit shield from the other 40 CFR Part 60, 61, or 63 subpart. In this case, the applicant must submit the superseding requirement citation and a textual description of the superseding determination, if they elect to comply with only the superseding requirement.

When a control device has one or more potential applicable requirements, the applicant must list all the requirements for which negative applicability or superseded requirement determinations can be made. Once the negative applicability or superseded requirement determinations have been made, indicate the citation and reason for the non-applicability or superseded requirement in the appropriate columns. Indicate the determinations for all potentially applicable requirements for each process before listing the next process.

Negative applicability or superseded requirement determinations for potentially applicable requirements, confirmed by TCEQ, may be approved as a permit shield (see instructions outlined in Area Wide Applicability Determinations, Form OP-REQ1, to request a permit shield). If a permit shield is requested, the determinations are always required on the OP-REQ2 sheet. For additional information relating to permit shields, refer to the TCEQ guidance document entitled "Site Operating Permit (SOP) Permit Shield Guidance found on TCEQ's website at: [www.tceq.texas.gov/permitting/air/guidance/titlev/tv\\_site\\_guidance.html](http://www.tceq.texas.gov/permitting/air/guidance/titlev/tv_site_guidance.html).

### Specific:

*Fill out the OP-REQ2 sheet to provide a negative applicability determination for control devices included on this OP-UA form. If the control device is not submitted on an OP-UA form, submit the negative applicability determination on the standalone OP-REQ2 form.*

**Unit Action Indicator (AI):**

Complete this section only for a permit revision or renewal. Select “A” from the dropdown menu if the negative applicability or superseded requirement is an addition to the permit. Select “D” from the dropdown menu if the negative applicability or superseded requirement is being deleted from the permit. For revisions to existing negative applicability or superseded requirements in the permit, use the "D" indicator for the existing permit shield and the "A" indicator for the revised permit shield.

**Revision No.:**

Complete this section only for a permit revision or renewal. Enter the revision number identified on Form OP-2, Table 2 (only for revision items within the application). This number will link the specific negative applicable requirement determination to the appropriate revision.

**Control Device ID No.:**

Select the identification number (ID No.) (maximum 14 characters) of the control device as listed on the OP-SUM sheet.

**Potentially Applicable Regulatory Name:**

Select the name of the potentially applicable requirement from the dropdown menu for which negative applicability or superseded requirement is being demonstrated. If the potentially applicable regulatory name is not found in the dropdown menu, enter it manually (maximum 50 characters).

*Note: Permit shields cannot be granted for permit authorizations of any kind (i.e. - PSD, NSR permit, Acid Rain, etc.).*

**Negative Applicability or Superseded Requirement Citation:**

Enter the citation of the paragraph of the rule that was used to determine negative applicability or superseded requirements. Provide the citation detail to the level of the paragraph allowing the exemption, exclusion, or non-applicability. If there is more than one citation for determining negative applicability or superseded requirements, select the most appropriate or the clearest (least likely to be misinterpreted). Negative applicability or superseded requirement determinations by the applicant are subject to auditing during the permit application review. The applicant must always indicate the negative applicability or superseded requirement citation on the OP-REQ2. For examples on the level of detail for citations, see table below (maximum 36 characters).

**Example Applicable Regulatory Requirements\***

<b>Regulation</b>	<b>Potentially Applicable Regulatory Name (Input Format)</b>	<b>Negative Applicability or Superseded Requirement Citation (Input Format)</b>
30 TAC Chapters 111, 112, 113, 115 and 117	Chapter 111	§ 111.XXX(x)(yy)(zz)
	Chapter 112	§ 112.XXX(x)(yy)(zz)
	Chapter 113	§ 113.XXX(x)(yy)(zz)
	Chapter 115, Storage of VOCs	§ 115.XXX(x)(yy)(zz)
	Chapter 117, ICI	§ 117.XXX(x)(yy)(zz)
40 CFR Part 60, Subparts, New Source Performance Standards (NSPS)	NSPS XXX	§ 60.XXX(x)(yy)(zz)
40 CFR Part 61, Subparts, National Emission Standards for Hazardous Air Pollutants (NESHAP)	NESHAP XX	§ 61.XX(x)(yy)(zz)
40 CFR Part 63, Subparts, NESHAP by source category, including hazardous organic (HON)	MACT XX	§ 63.XXX(x)(yy)(zz)

\* This list is not intended to be exhaustive

**Negative Applicability/Superseded Requirement Reason:**

Enter a textual description indicating the reason for the negative applicability or superseded requirement determination. If a permit shield is requested, the textual description provided will be recreated as the *Basis of Determination* for the permit shield in the permit. The description may include rule text, rule preamble, or other text resulting from a historical rule interpretation, EPA applicability determination Index (ADI), or case law. Use multiple lines if necessary (maximum 250 characters).

**OP-UA07 Form Unit Attribute Tables- Instructions****General:**

This form is used to provide a description and data pertaining to all flares 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 flare, 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 the rule represented on the table, then the applicant need not complete the remainder of the table(s) that corresponds 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:

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

**Table 2:** This table has been retired as of 06/01/00. All questions relating to the applicability of 30 TAC Chapter 117, Subchapter B: Commercial, Institutional, and Industrial Sources (to flares), are contained on Form OP-REQ1.

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

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

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

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

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.



Please note that for general operating permit (GOP) applications, responses may be required for questions on this form which are not included as a column in the applicable GOP table. These responses may be needed to determine applicability of certain requirements within a single row of the GOP permit table.

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 which 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/guidance.html](http://www.tceq.texas.gov/permitting/central_registry/guidance.html).

### Specific:

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

### Unit ID No.:

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-SUM entitled, “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 refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

### Acid Gases Only:

Enter “YES” if the flare is used *only* as an acid gas flare as defined in 30 TAC § 101.1. Otherwise, enter “NO.”

★ **Complete “Emergency/Upset Conditions Only” only if “Acid Gases Only” is “NO.”**

### Emergency/Upset Conditions Only:

Enter “YES” if the flare is used *only* under emergency or upset conditions. Otherwise, enter “NO”.

▼ **Continue only if “Acid Gases Only” is “YES.”**

### Alternate Opacity Limitation (AOL):

Enter “YES” if complying with an AOL under 30 TAC § 111.113. Otherwise, enter “NO” (*GOP applicants must answer “NO”*).

**AOL ID No.:**

If an AOL has been approved, enter the corresponding AOL unique identifier (maximum 14 characters) for each unit. If the unique identifier is unavailable, then enter the date of the AOL approval letter in the table column. 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.

▼ **Continue only if “Alternate Opacity Limitation (AOL)” is “NO.”**

**Construction Date:**

Select one of the following options for the construction date of the newest source routing emissions to the flare. Enter the code on the form.

Code	Description
72-	Source began construction on or before January 31, 1972
72+	Source began construction after January 31, 1972

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**Table 2:** This table has been retired as of 06/01/00. All questions relating to the applicability of 30 TAC Chapter 117, Subchapter B: Commercial, Institutional, and Industrial Sources (to flares), are contained on Form OP-REQ1.

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

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★ **Do not complete this table for flares that are complying with § 63.670 instead of § 60.18. Complete Table 6.**

**Unit ID No.:**

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-SUM entitled, “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 refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

**Subject to 40 CFR § 60.18:**

Enter “YES” if the flare is subject to 40 CFR § 60.18. Otherwise, enter “NO.”

▼ **Continue Only if “Subject to 40 CFR § 60.18” is “YES.”**

**Adhering to Heat Content Specifications:**

Enter “YES” if the owner or operator is adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Otherwise, enter “NO.”

▼ **Continue only if “Adhering to Heat Content Specifications” is “YES.”**

**Flare Assist Type:**

Select one of the following options for the type of flare assist. Enter the code on the form.

Code	Description
STEAM	Steam-assisted
AIR	Air-assisted
NONE	Non-assisted

▼ Continue only if “Flare Assist Type” is “STEAM” or “NONE.”

**Flare Exit Velocity:**

Select one of the following ranges for actual flare exit velocity. Enter the code on the form.

Code	Description
60-	Flare Exit Velocity is less than 60 feet per second (ft/s) (18.3 m/sec)
60-400	Flare Exit Velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)

▼ Continue only if “Flare Exit Velocity” is “60-400.”

**Heating Value of Gas:**

Select one of the following ranges for heating value of gas. Enter the code on the form.

Code	Description
1000-	Heating Value is less than or equal to 1000 Btu/scf (37.3 MJ/scm)
1000+	Heating Value is greater than 1000 Btu/scf (37.3 MJ/scm)

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

★ Do not complete this table for flares that are complying with § 63.670 instead of § 63.11. Complete Table 6.

**Unit ID No.:**

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-SUM entitled, “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 refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

**Required Under 40 CFR Part 63:**

Enter “YES” if the flare is required by a Subpart under 40 CFR Part 63. Otherwise, enter “NO”.

▼ Continue only if “Required Under 40 CFR Part 63” Is “YES.”

**Heat Content Specification:**

Enter “YES” if the owner or operator is adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Otherwise, enter “NO”.

▼ Continue only if “Heat Content Specification” Is “YES.”

**Flare Assist Type:**

Select one of the following options for the type of flare assist. Enter the code on the form.

Code	Description
STEAM	Steam-assisted
AIR	Air-assisted
NONE	Non-assisted

▼ Continue only if “Flare Assist Type” is “STEAM” or “NONE.”

**Flare Exit Velocity:**

Select one of the following ranges for actual flare exit velocity. Enter the code on the form.

Code	Description
60-	Flare Exit Velocity is less than 60 feet per second (ft/s) (18.3 m/sec)
60-400	Flare Exit Velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)

▼ Continue only if “Flare Exit Velocity” is “60-400.”

**Heating Value of Gas:**

Select one of the following ranges for heating value of gas. Enter the code on the form.

Code	Description
1000-	Heating Value is less than or equal to 1000 Btu/scf (37.3 MJ/scm)
1000+	Heating Value is greater than 1000 Btu/scf (37.3 MJ/scm)

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

- ★ Complete this table only for operations located in the Houston/Galveston/Brazoria area; and;
- ★ Complete this table only for operations with a flare that emits or has the potential to emit HRVOC.
- ★ Do not complete this table if, at the site, all individual gas streams routed to a flare contain less than 5% by weight of HRVOC at all times, and all individual vent gas streams not routed to a flare contain less than 100 ppmv HRVOC at all times.

**Unit ID No.:**

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-SUM entitled, “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 go to the TCEQ website at [www.tceq.texas.gov/permitting/air/guidance/titlev/tv\\_fop\\_guidance.html](http://www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html).

**Out of Service:**

Enter “YES” if the flare was permanently out of service by April 1, 2006. Otherwise, enter “NO.”

▼ Continue only if “Out of Service” is “NO.”

**Total Gas Stream:**

Enter “YES” if the flare receives a total gas stream with greater than 100 ppmv HRVOC at any time. Otherwise, enter “NO.”

**Gas Stream Concentration:**

Enter “YES” if the flare receives a gas stream containing 5% or greater HRVOC by weight at any time. Otherwise, enter “NO.”

★ **Complete “Exempt Date” only if “Total Gas Stream” or Gas Stream Concentration” is “NO.”**

**Exempt Date:**

Enter “YES” if the flare became exempt after 12/31/05. Otherwise, enter “NO.”

▼ **Continue only if “Total Gas Stream” and “Gas Stream Concentration” are “YES.”**

**Alternative Monitoring Approach:**

Enter one of the following codes on the form for alternative monitoring (AM) approaches NOT required to be approved by the executive director.

Code	Description
OTHER	No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used
725M1	The alternative monitoring approach described in 115.725(m)(1) is being used
725M2	The alternative monitoring approach described in 115.725(m)(2)(A)-(B) is being used

**Modifications to Testing/Monitoring:**

Enter one of the following codes on the form if a minor modification or other approved modification to monitoring or test methods that has been approved by the executive director is being used. If no modifications to testing or monitoring methods are being used, enter NONE.

Code	Description
NONE	No modifications to test methods or monitoring methods specified in this section
MINOR	Minor modifications to test methods or monitoring methods approved by the executive director
ALT	Test methods or monitoring methods other than those specified in this section approved by the executive director

**Modifications to Testing/Monitoring ID No.:**

If an “ALT” test methods or monitoring methods or “MINOR” modification to test methods or monitoring methods has been approved by the executive director, enter the corresponding unique identifier (maximum 14 characters) for each unit. If the unique identifier is unavailable, then enter the date of the approval letter in the table column. The unique identifier and/or date of the approval letter are contained in the compliance file under the appropriate account number. Otherwise, leave this column blank.

**Flare Type:**

Select one of the following codes that best describes the type of flare at the facility. Enter the code on the form.

Code	Description
MULTI	Flare is in multi-purpose service
ABLOAD	Flare is used solely for abatement of emissions from marine loading operations or transport vessel loading and unloading operations
ABMSS	Flare is used solely for abatement of emissions from scheduled or unscheduled maintenance, startup, or shutdown activities
EMER	Flare is an emergency flare as defined in § 115.10
TEMP	Flare is in temporary service and temporarily receives HRVOC emissions
LIQDUAL	Flare is specifically designed to receive and control liquid or dual phase streams containing HRVOCs
ALKYL	Flare is used to control vent gases from metal alkyl production processes
OTHER	Flare is in other service

▼ **Do not continue if “Flare Type” is “LIQDUAL.”**

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This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V Release 11/21)

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

**Unit ID No.:**

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-Sum entitled, "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 go to the TCEQ website at [www.tceq.texas.gov/permitting/air/guidance/titlev/tv\\_fop\\_guidance.html](http://www.tceq.texas.gov/permitting/air/guidance/titlev/tv_fop_guidance.html).

- ★ **Complete "Monitoring Requirements" only if "Flare Type" is "MULTI," "ABMSS," "EMER" or "ALKYL."**

**Monitoring Requirements:**

Enter "YES" if the flare is complying with the continuous monitoring requirements in § 115.725(d). Otherwise, enter "NO."

- ▼ **Do not continue if "Flare Type" is "ALKYL" and "Monitoring Requirements" is "NO."**

- ★ **Complete "§ 115.725(e) Requirements" only if "Flare Type" is "ABLOAD."**

**§ 115.725(e) Requirements:**

Enter "YES" if the flare is complying with the requirements in § 115.725(e). Otherwise, enter "NO."

- ▼ **Do not continue if "Flare Type" is "ABLOAD" and "§ 115.725(e) Requirements" is "YES."**

- ★ **Complete "Multi-purpose Usage" only if "Flare Type" is "MULTI" and "Monitoring Requirements" is "NO."**

**Multi-Purpose Usage:**

Select one of the following codes that best describes the usage of the multi-purpose flare. Enter the code on the form.

<b>Code</b>	<b>Description</b>
ABATE	Flare is used for abatement of emissions from marine loading operations or transport vessel loading and unloading operations AND for abatement of emissions from scheduled or unscheduled maintenance, startup, or shutdown activities
LOADEMER	Flare is used for abatement of emissions from marine loading operations or transport vessel loading and unloading operations AND as an emergency flare
MSSEMER	Flare is used for abatement of emissions from scheduled or unscheduled maintenance, startup, or shutdown activities AND as an emergency flare
ALL	Flare is used for abatement of emissions from marine loading operation or transport vessel loading and unloading operations AND for abatement of emission from scheduled or unscheduled maintenance, startup, or shutdown AND as an emergency flare

- ★ **Complete "Flow Rate" if "Monitoring Requirements" is "NO" and "Flare Type" is "ABMSS" or if "Monitoring Requirements" is "NO" and "Multi-purpose Usage" is "ABATE," "MSSEMER," or "ALL."**

**Flow Rate:**

Enter "YES" if the flow rate of the gas routed to the flare is determined by using process knowledge and engineering calculations. Otherwise, enter "NO."

- ★ Complete “Physical Seal” if “Flare Type” is “EMER” or if “Multi-purpose Usage” is “LOADEMER,” “MSSEMER,” or “ALL” and “Monitoring Requirements” is “NO.”

**Physical Seal:**

Enter “YES” if the flare is equipped with a physical seal. Otherwise, enter “NO.”

- ★ Complete “Monitoring Option” and “§ 115.725(h)(4) Alternative” only if “Flare Type” is “TEMP.”

**Monitoring Option:**

Select one of the following codes that best describes the monitoring option used to demonstrate compliance with § 115.722(a)-(d). Enter the code on the form.

Code	Description
FLOW	Using the flow monitoring requirements in § 115.725(d)(1)
PROC	Using process knowledge
ACTUAL	Using actual measurements
SUB	Using the flow monitoring data from the monitored flare system as data substitution (For flares that temporarily receive HRVOC emissions from flare systems that are monitored in accordance with § 115.725(d))

**§ 115.725(h)(4) Alternative:**

Enter “YES” if the owner/operator is choosing to implement monitoring options in § 115.725(h)(4)(A) or § 115.725(h)(4)(B) in lieu of the continuous monitoring requirements in § 115.725(d)(2). Otherwise, enter “NO.”

- ★ Complete “Tank Service” if “Monitoring Requirements” is “YES” or if “115.725(e) Requirements” is “NO” or if “Flare Type” is “TEMP” and “§ 115.725(h)(4) Alternative” is “NO” or if “Flare Type” is “OTHER.”

**Tank Service:**

Enter “YES” if the flare is in dedicated service for storage tanks with 95% or greater of an individual HRVOC. Otherwise, enter “NO.”

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

- ★ Complete this table only for flares that:

- are used as a control device for emission points subject to 40 CFR Part 63, Subpart CC, or
- are used as a control device for sources subject to another 40 CFR Part 60, 61, or 63 subpart which allows or requires compliance with § 63.670.

**Unit ID No.:**

Enter the identification number (ID No.) for the flare (maximum 14 characters) as listed on Form OP-SUM entitled, “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 refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

**Flare Applicability:**

Select one of the following options for the type of flare assist. Enter the code on the form.

Code	Description
CC	Flare controls an emission point subject to 40 CFR Part 63, Subpart CC.
OTHER	Flare controls a source subject to another 40 CFR Part 60, 61, or 63 subpart which allows or requires compliance with § 63.670.

**Operating Limits:**

Select one of the following options for flare operating limits. Enter the code on the form.

Code	Description
AMEL	Flare complies with site-specific operating limits approved by the Administrator under § 63.670(r)
REGOP	Flare complies with operating parameters and values in § 63.670(d)-(f)

★ Complete “AMEL ID No.” only if “Operating Limits” is “AMEL.”

**AMEL ID No.:**

If site-specific operating limits have been approved by the Administrator, enter the corresponding unique identifier (maximum 14 characters) for each unit. If the unique identifier is unavailable, then enter the date of the approval letter in the table column. The unique identifier and/or date of the approval letter are contained in the compliance file under the appropriate account number. Otherwise, leave this column blank.

▼ Continue only if “Operating Limits” is “REGOP.”

**Flare Tip Velocity:**

Select one of the following ranges for actual flare tip velocity. Enter the code on the form.

Code	Description
60-	Flare tip velocity is less than 60 feet per second (ft/s)
60-400	Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s

**Perimeter Assist Air:**

Select one of the following options for the type of flare assist. Enter the code on the form.

Code	Description
AIR-F	Perimeter assist air is not entrained in steam at tip or effective diameter is less than 9 inches
AIR-F1	Perimeter assist air entrained in steam at tip with effective diameter 9 inches or greater
NONE	Flare does not receive perimeter assist air