Form OP-UA58 - Instructions
Treatment Process 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 The individual unit summary (OP-SUM) information and the negative applicable/superseded requirement determinations (OP-REQ2) will be provided on each individual OP-UA form for the applicable units identified in the unit attribute tables.

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 (CNXXXXXXXXX). 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 (RNXXXXXXXXX). 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.

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.

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.

Instructions for OP-SUM Sheet

General:
All processes with one or more potentially applicable requirements addressed in this form must be identified on the OP-SUM sheet. The term "process" refers to a collection of units or devices that have a physical relationship, or source cap, where a regulatory requirement is potentially applicable to the process as a whole.

The purpose of this sheet is to list individual processes 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 process must also be listed on this form. For processes which were authorized to construct or modify under Permits by Rule (PBR), list all applicable PBR information, including registration numbers. If a process 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. Processes 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 (GRP*XXXXXXX*).

Processes:
- A "process" is a quasi-unit representing a collection of units or devices that have a physical relationship and for which a regulatory requirement applies to the process as a whole.
- Individual units in a process do not need to be identified unless they have potentially applicable requirements unto themselves. Those individual units should be listed on the appropriate OP-UA form.

Specific:

Table 1

Unit Action Indicator (Unit AI):
Select "A" from the dropdown menu if the process indicated is an addition to the permit. Select "D" from the dropdown menu if the existing process indicated is being deleted from the permit. If the process 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 process in the permit, leave blank.

Process ID No.:
Each process must be assigned an identification number. (Maximum 14 characters)

- Processes are assigned an ID No. by the applicant, which must begin with the prefix "PRO" followed by a maximum of eleven characters (PRO*XXXXXXX*).

Group ID No.:
If applicable, enter the unique identification number for the group which includes this process (GRP*XXXXXXX*) ("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 processes in FOP applications.)

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

- Enter a text name or description for the process 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.

Process ID No.	Group ID No.	Name/Description
PRO-COAT1	GRPCOATING	Surface Coating Line 1
PRO-COAT2	GRPCOATING	Surface Coating Line 2
PRO-COAT3		Surface Coating Line 3

CAM (For reference only):
Indicate if the process is subject to 40 CFR Part 64 by selecting "Y" from the dropdown menu in the "CAM" column next to the process. 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 process; however, a process may have multiple authorizations. *All preconstruction authorizations listed on this form must also be identified on Form OP-REQ1.*
When a process 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 process. Select "D" from the dropdown menu if a preconstruction authorization is being deleted from the process. If a preconstruction authorization is not being added/deleted from the process, 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 (PSDTX*XXX*), for example, PSDTX123. If the PSD permit has been modified, include the "M" suffix (PSDTX*XXX*M*XX*), 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 (N*XXX*), for example, N123. If the nonattainment permit has been modified, include the "M" suffix (N*XXX*M*XX*), 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.
Information on Chapter 106 version dates is available at:
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 processes 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 process 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 processes 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 processes 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 surface coating process subject to 40 CFR Part 63, Subpart IIII, may not be required to comply with 40 CFR Part 63, Subpart PPPP due to rule overlap of 40 CFR Part 63, Subpart IIII. In this case, the permit applicant may request a permit shield from 40 CFR Part 63, Subpart PPPP. In this case, the applicant must submit the superseding requirement citation §63.4481(d), and a textual description of the superseding determination, if they elect to comply with only the superseding requirement.

When a process 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.

Specific:

Fill out the OP-REQ2 sheet to provide a negative applicability determination for processes included on this OP-UA form. If the process 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.

Process ID No.:
Select the identification number (ID No.) (maximum 14 characters) of the process 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*

Regulation	**Potentially Applicable Regulatory Name** *(Input Format)*	**Negative Applicability or Superseded Requirement Citation** *(Input Format)*
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-UA58 Form Unit Attribute Tables- Instructions

General:
This form is used to provide a description and data pertaining to treatment processes 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 treatment process, 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 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site waste and Recovery Operations**
Tables 2a - 2c:	**Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)**
Table 3a - 3c:	**Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from Synthetic Organic Chemical Manufacturing Industry Wastewater**
Tables 4a - 4d:	**Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standard for Hazardous Air Pollutants from Petroleum Refineries – These tables have been removed from the form. Applicability determinations on other tables in this form may be necessary. Please see instructional notes under the placeholders for Table 4 in these instructions.**
Tables 5a - 5d:	**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**
Tables 6a - 6d:	**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**
Tables 7a – 7d:	**Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

The application area name from Form OP-1(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 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:

Table 1: **Title 40 Code of Federal Regulations Part 63 (CFR Part 63), Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site waste and Recovery Operations**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Removal or Destruction Method:
Select one of the following removal or destruction methods for the HAP contained in off-site material streams to be managed in the treatment process. Enter the code on the form.

Code	Description
VOHAP	Treatment process reduces volatile organic hazardous air pollutant (VOHAP) concentration of the off-site material using a means other than dilution
REMOV	Total quantity of HAP actually removed from the off-site material stream is equal to or greater than the required mass removal established for the off-site material stream using the procedure specified in 40 CFR § 63.694(e)
REDUC	Total quantity of HAP in the off-site material stream is reduced to one of the performance levels specified in 40 CFR § 63.684(b)(3)
BIODEG	Biological degradation
INCIN	HAP contained in the off-site material stream is destroyed in an incinerator for which the owner or operator has been issued a final permit under 40 CFR part 270
INCIN-II	HAP contained in the off-site material stream is destroyed in an incinerator for which the owner or operator has certified compliance with the interim status requirements of 40 CFR part 265, Subpart O
BOILER	HAP contained in the off-site material stream is destroyed in a boiler or industrial furnace for which the owner or operator has been issued a final permit under 40 CFR part 270
BOILER-II	HAP contained in the off-site material stream is destroyed in a boiler or industrial furnace for which the owner or operator has certified compliance with the interim status requirements of 40 CFR Part 266, Subpart H

Control Device ID No.:
If applicable, enter the identification number for the control device to which emissions are routed (maximum14 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.

★ **Complete "Average VOHAP Concentration" Only if "Removal or Destruction Method" is "VOHAP."**

Average VOHAP Concentration:
Select one of the following options to describe the average VOHAP concentration of off-site material streams entering the treatment process as determined at the point-of-delivery of the off-site material streams. Enter the code on the form.

Code	Description
500-	Average VOHAP concentration of off-site material streams entering treatment process is greater than 500 ppmw, but is a mixture of streams with a concentration of greater than 500 ppmw and streams with a concentration less than 500 ppmw at the point-of-delivery
500+	Average VOHAP concentration of every off-site material streams entering treatment process is greater than or equal to 500 ppmw at the point-of-delivery

★ **Complete "VOHAP Reduction" Only if "Average VOHAP Concentration" is "500-."**

VOHAP Reduction:
Select one of the following levels of VOHAP reduction of the off-site material at the point-of-treatment. Enter the code on the form.

Code	Description
CR	VOHAP concentration of the off-site material is reduced to a level less than the VOHAP concentration limit (C_R) established for the treatment process using the procedure specified in 40 CFR § 63.694(d)
LOW	VOHAP concentration of the off-site material is reduced to a level less than the lowest VOHAP concentration determined for each of the off-site material streams entering the treatment process as determined by the VOHAP concentration of the off-site material at the point-of-delivery

★ **Complete "Stream VOHAP Concentration" Only if "Removal or Destruction Method" is "REDUC."**

Stream VOHAP Concentration:
Select one of the following options to describe the average VOHAP concentration of the off-site material stream at the point-of-delivery of the treatment process. Enter the code on the form.

Code	Description
10-	Average VOHAP concentration of off-site material streams entering treatment process is less than 10,000 ppmw
10+	Average VOHAP concentration of off-site material streams entering treatment process is greater than or equal to 10,000 ppmw

★ **Complete "Efficiency > 95%" Only if "Removal or Destruction Method" is "BIODEG."**

Efficiency > 95%:
Enter "YES" if the HAP reduction efficiency (R) for the treatment process is equal to or greater than 95 percent and the HAP biodegradation efficiency (R_{bio}) for the treatment process is equal to or greater than 95 percent. Otherwise, enter "NO."

★ **Complete "Destruction Method" only if "Removal or Destruction Method" is "VOHAP," "REMOV," or "REDUC."**

Destruction Method:
Enter "YES" if the treatment process removes the HAP from the off-site material by thermal destruction or biological degradation. Otherwise, enter "NO."

★ **Complete "Direct Measurement" Only if "Removal or Destruction Method" is "REMOV," "REDUC," "BIODEG," or "VOHAP."**

Direct Measurement:
Enter "YES" if direct measurement is used to determine VOHAP concentration. Otherwise, enter "NO."

Table 2a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

AMOC:
Enter "YES" if using an alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes. Otherwise, enter "NO."

AMOC 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 is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

▼ **Continue only if "AMOC" is "NO."**

Complying with § 61.342(e):
Enter "YES" if the facility is complying with 40 CFR § 61.342(e). Otherwise, enter "NO."

★ **Complete "Stream Combination" only if "Complying With § 61.342(e)" is "NO."**

Stream Combination:
Enter "YES" if the process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system. Otherwise, enter "NO."

★ **Complete "Benzene Removal" only if "Complying With § 61.342(e)" is "YES" or if "Stream Combination" is "NO."**

Benzene Removal:
Select one of the following codes for the way benzene is removed or destroyed from the waste stream. Enter the code on the form.

Code	Description
10-	Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis [40 CFR § 61.348(a)(1)(i)]
99+	Benzene is removed from the waste stream by 99% or more on a mass basis [40 CFR § 61.348(a)(1)(ii)]
INCIN	Benzene is destroyed in the waste stream by incinerating in a combustion unit with a destruction efficiency of 99% or greater for benzene [40 CFR § 61.348(a)(1)(iii)]

Process Or Stream Exemption:
Enter "YES" if the treatment process or waste stream is complying with 40 CFR §61.348(d). Otherwise, enter "NO."

★ **Complete "Treatment Process Engineering Calculations" if "Process or Stream Exemption" is "NO."**

Treatment Process Engineering Calculations:
Enter "YES" if engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation. Otherwise, enter "NO."

▼ **Continue only if "Benzene Removal" is "10-" or "99+" or "Stream Combination" is "YES."**

Table 2b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Continuous Monitoring" only if "Benzene Removal" is "10-" and "Process or Stream Exemption" is "NO."**

Continuous Monitoring:
Enter "YES" if the wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation. Otherwise, enter "NO."

★ **Complete "Treatment Stream Unit Exempt" only if "Complying With § 61.342(e)" is "NO" and "Stream Combination" is "YES."**

Treatment Stream Unit Exempt:
Enter "YES" if there are any units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2). Otherwise, enter "NO."

Openings:
Enter "YES" if the treatment process or wastewater treatment system unit has any openings. Otherwise, enter "NO."

Fuel Gas System:
Enter "YES" if all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system. Otherwise, enter "NO."

▼ **Do Not Continue if "Fuel Gas System" is "YES."**

★ **Complete "Less Than Atmospheric" only if "Openings" is "YES" and "Fuel Gas System" is "NO."**

Less Than Atmospheric:
Enter "YES" if a cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at less than atmospheric pressure and complying with 40 CFR § 61.348(e)(3)(i) - (iii). Otherwise, enter "NO."

★ **Complete "Closed Vent System and Control Device" if "Openings" is "NO" or if "Openings" is "YES" and "Less Than Atmospheric" is "NO."**

Closed-Vent System and Control Device:
Enter "YES" if a closed-vent system and control device is used. Otherwise, enter "NO."

▼ **Continue if "Closed-vent System and Control Device" is "YES" or if "Openings" is "YES" and "Less Than Atmospheric" is "YES."**

AMOC:
Enter "YES" if using an alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device. Otherwise, enter "NO."

AMOC 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 is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

Table 2c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)

★ **Complete this table only if "AMOC" is "NO."**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

By-Pass Line:
Enter "YES" if the closed-vent system contains any by-pass line that could divert the vent stream away from the control device. Otherwise, enter "NO."

★ **Complete "By-pass Line Valve" only if "By-pass Line" is "YES."**

By-Pass Line Valve:
Enter "YES" if a car-seal or lock and key configuration is used to secure the by-pass line valve in the closed position. Otherwise, enter "NO."

Control Device Type/Operation:
Select one of the following codes for the type of control device. Enter the code on the form.

Enclosed Combustion Devices:

Code	Description
THERM95	Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent [see 40 CFR § 61.349(a)(2)(i)(A)]
THERM20	Thermal vapor incinerator that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen [see 40 CFR § 61.349(a)(2)(i)(B)]
THERMMR	Thermal vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C [see 40 CFR § 61.349(a)(2)(i)(C)]
CATA95	Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent [see 40 CFR § 61.349(a)(2)(i)(A)]
CATA20	Catalytic vapor incinerator that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen [see 40 CFR § 61.349(a)(2)(i)(B)]
CATAMR	Catalytic vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C [see 40 CFR § 61.349(a)(2)(i)(C)]
B44-95	Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent [see 40 CFR § 61.349(a)(2)(i)(A)]
B44-20	Boiler or process heater having a design heat input capacity less than 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen [see 40 CFR § 61.349(a)(2)(i)(B)]
B44-MR	Boiler or process heater having a design heat input capacity less than 44 MW and that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C [see 40 CFR § 61.349(a)(2)(i)(C)]
B44+95	Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent [see 40 CFR § 61.349(a)(2)(i)(A)]
B44+20	Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen [see 40 CFR § 61.349(a)(2)(i)(B)]
B44+MR	Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C [see 40 CFR § 61.349(a)(2)(i)(C)]

Vapor Recovery Systems:

Code	Description
COND	Condenser without a temperature monitoring device
CONDWITH	Condenser with a temperature monitoring device
CDIRECT	Carbon adsorption system that regenerates the carbon bed directly in the control device and does not have a continuous recorder to measure exhaust concentration
CDIRECTW	Carbon adsorption system that regenerates the carbon bed directly in the control device and has a continuous recorder to measure exhausts concentration
CARADS	Carbon adsorption system that does not regenerate the carbon bed directly in the control
OTH-VRS	Vapor recovery system other than condenser or carbon adsorption system

Other Control Devices:

Code	Description
FLARE	Flare
OTHER	Alternate control device approved under § 61.349(a)(2)(iv)

Control Device ID No:
If applicable, enter the identification number for the control device to which treatment process emissions are routed (maximum 14 characters). This number should be consistent with the identification number listed on the Form OP-SUM (Individual Unit Summary).

★ **Complete "Engineering Calculations" only if "Control Device Type/Operation" is NOT "OTHER," "FLARE," "THERMMR," "CATAMR," "B44-MR," or "B44+MR."**

Engineering Calculations:
Enter "YES" if engineering calculations show that the control device is proven to achieve its emission limitation. Otherwise, enter "NO."

★ **Complete "Alternate Monitoring Parameters" only if "Control Device Type/Operation" is NOT "OTHER," "FLARE," or "CARADS."**

Alternate Monitoring Parameters:
Enter "YES" if alternate monitoring parameters or requirements have been approved by the Administrator. Otherwise, enter "NO."

★ **Complete "Carbon Replacement Interval" only if "Control Device Type/Operation" is "CARADS."**

Carbon Replacement Interval:
Enter "YES" if the carbon in the carbon adsorption system is replaced at a regular predetermined interval. Otherwise, enter "NO."

Table 3a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from Synthetic Organic Chemical Manufacturing Industry Wastewater

Complete only for treatment processes for wastewater streams subject to 40 CFR Part 63, Subpart G.

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Series Of Processes:
Enter "YES" if the wastewater stream is treated using a series of treatment processes. Otherwise, enter "NO."

★ **Complete "Hard Piping" Only if "Series of Processes" is "YES." If "Series of Processes" is "NO," go to "Biological Treatment Process."**

Hard Piping:
Enter "YES" if the wastewater stream for a combination of treatment processes is conveyed by hard piping. Otherwise, enter "NO."

★ **Complete "Compliance Under Title 40 CFR § 63.138(a)(7)(ii)" Only if "Hard Piping" is "YES."**

Compliance Under Title 40 CFR § 63.138(a)(7)(ii):
Enter "YES" if the owner operator elects to comply with Title 40 CFR § 63.138(a)(7)(ii). Otherwise, enter "NO."

Series Design Evaluation:
Enter "YES" if compliance for the series of treatment processes is demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Biological Treatment Process" Only if "Series of Processes" is "NO." If "Series of Processes" is "YES," go to "Vented to Control" on Table 3b.**

Biological Treatment Process:
Select one of the following options that describe the treatment process. Enter the code on the form.

Code	Description
OPENBIO	Open biological treatment process
CLBIOAER	Closed aerobic biological treatment process
CLBIOAN	Closed anaerobic biological treatment process
NONBIO	Non-biological treatment process

Wastewater Stream Designation:
Select one of the following options that describe the wastewater stream designations. Enter the code on the form.

Code	Description
GRP1-8	Determined Group1 for Table 8
GRP1-9	Determined Group1 for Table 9
BOTH	Determined Group1 for both Table 8 and Table 9
132E	Designated as Group 1 per 40 CFR § 63.132(e)

Wastewater Stream Treatment:
Select one of the following options that describe the treatment of the wastewater stream(s). Enter the code on the form.

Code	Description
50PPMW	50 ppmw concentration option
10PPMW	10 ppmw concentration option
STEAM	Design steam stripper option
PERC1	Percent mass removal/destruction option by reducing the mass flow rate by the 99 percent
PERC2	Percent removal/destruction option by reducing the mass flow rate by the Fr value
RCRA	Resource Conservation and Recovery Act (RCRA) unit option
RMR	Required Mass Removal (RMR) option under § 63.138(f)
95RMR	95-percent RMR option for biological processes under § 63.138(g)

★ **Do Not Complete "Treatment Process Design Evaluation" if "Biological Treatment Process" is "OPENBIO" or if "Wastewater Stream Treatment" is "STEAM" or "RCRA."**

Treatment Process Design Evaluation:
Enter "YES" if compliance for the treatment process will be demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Performance Test Exemption" only if "Biological Treatment Process" is "OPENBIO," or if "Biological Treatment Process" is "CLBIOAER" or "CLBIOAN" and "Design Evaluation" is "NO."**

Performance Test Exemption:
Enter "YES" if the biological treatment process is exempt from performance test requirements per 40 CFR § 63.145(h)(1)(i) - (ii). Otherwise, enter "NO."

Table 3b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from Synthetic Organic Chemical Manufacturing Industry Wastewater

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Combustion Process" Only if "Wastewater Stream Treatment" is "PERC1" or "PERC2."**

Combustion Process:
Enter "YES" if a combustion process is used for treatment. Otherwise, enter "NO."

★ **Complete "§ 63.145(e) Requirements Elected" Only if one of the following conditions is true:**

Article I. "Biological Treatment Processes" is "OPENBIO" or "CLBIOAER" and "Wastewater Stream Treatment" is "RMR."
Article II. "Biological Treatment Processes" is "CLBIOAER" and "Wastewater Stream Treatment" is "95RMR."

§ 63.145(e) Requirements Elected:
Enter "YES" if the testing requirements of § 63.145(e) are elected. Otherwise, enter "NO."

▼ **Continue Only if "Biological Treatment Process" is NOT "OPENBIO" or if "Series of Processes" is "YES."**

Vented to Control:
Enter "YES" if emissions from the treatment process are vented to a control device. Otherwise, enter "NO."

★ **Complete "Fuel Gas System" Only if "Biological Treatment Process" is "CLBIOAN" and "Vented to Control" is "NO."**

Fuel Gas System:
Enter "YES" if the closed anaerobic biological treatment process is vented through hard-piping to a fuel gas system. Otherwise, enter "NO."

If "Vented to Control" is "NO", go to Table 3c.

Closed Vent System:
Select the option that describes the operation of the closed vent system. Enter the code on the form.

Code	Description
SUBPTG	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148
SUBPTH	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172

By-Pass Lines:
Select the option that describes by-pass lines on the closed vent system. Enter the code on the form.

Code	Description
NONE	No by-pass lines
FLOWIND	By-pass lines are monitored by flow indicators
CARSEAL	By-pass line valves are secured in the closed position with a car-seal or lock-and-key configuration

Combination of Control Devices:
Enter "YES" if the vent stream is treated using a combination of control devices. Otherwise, enter "NO."

If the response to "Combination of Control Devices" is "YES," complete one additional row on the form for each additional control device. Each row must have a unique SOP Index No.

Control Device Type:
Select one of the following options that describe the control device used to treat the hazardous air pollutants (HAPs) in the vent stream(s). Enter the code on the form.

Code	Description
FLARE	Flare
BPH-44+	Boiler or process heater with a design heat input capacity greater than or equal to 44 MW
BPH-VNT	Boiler or process heater into which the emission stream is introduced with primary fuel
BPH-HAZ	Boiler or process heater burning hazardous waste
HAZINC	Hazardous waste incinerator
VAPTH	Thermal vapor incinerator
VAPCAT	Catalytic vapor incinerator
OTHBPH	Boiler or process heater not described above
OTHENC	Other enclosed combustion device
CADS	Carbon adsorber
COND	Condenser
SCRUB	Scrubber
OTHVRS	Other vapor recovery system
OTHER	Other control device
Code	Description
FLARE	Flare

Control Device ID No.:
If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 14 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.

Table 3c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from Synthetic Organic Chemical Manufacturing Industry Wastewater

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Compliance with 40 CFR § 63.139(c)(1) only if "Control Device Type" is "VAPTH," "VAPCAT," "OTHBPH," or "OTHENC."**

Compliance With 40 CFR § 63.139(c)(1):
Select one of the following options that describes the method of compliance specified in 40 CFR § 63.139(c)(1). Enter the code on the form.

Code	Description
C1I	The enclosed combustion device being used meets the 95% reduction provisions specified in 40 CFR § 63.139(c)(1)(i)
C1II	The enclosed combustion device being used meets the 20 ppmv concentration provisions specified in 40 CFR § 63.139(c)(1)(ii)
C1III	The enclosed combustion device being used meets the 0.5 second residence time at 760 degrees C provisions specified in 40 CFR § 63.139(c)(1)(iii)

Alternate Monitoring Parameters:
Enter "YES" if the EPA Administrator has approved an AMP. Otherwise, enter "NO."

AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP approval letter. 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 Monitoring Parameters" is "NO."**

★ **Complete "Regeneration" only if "Control Devices" is "CADS."**

Regeneration:
Enter "YES" if the carbon bed is regenerated onsite. Otherwise, enter "NO."

★ **Complete "Performance Test" only if "Control Device Type" is "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND." or "SCRUB."**

Performance Tests:
Enter "YES" if performance tests are being conducted using the test methods and procedures specified in 40 CFR § 63.145(i). Otherwise, enter "NO."

★ **Complete "95% Reduction Efficiency" only if "Performance Tests" is "YES."**

95% Reduction Efficiency:
Enter "YES" if the performance tests are conducted to demonstrate compliance with 95% reduction efficiency. Otherwise, enter "NO."

★ **Complete "Monitoring Options" only if "Alternate Monitoring Parameters" is "NO" and "Control Device Type" is "FLARE," "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND," or "SCRUB."**

Monitoring Options:
Select the monitoring option that describes the monitoring parameters being used for the control device. Enter the code on the form.

For control devices other than scrubbers and non-regenerative carbon adsorbers:

Code	Description
TABLE13	Control device is using the monitoring parameters specified in Table 13
ORGMON	Control device is using an organic monitoring device as allowed under § 63.143(e)(2)

For non-regenerative carbon adsorbers:

Code	Description
ORGMON	Non-regenerative carbon adsorber is using an organic monitoring device as allowed under § 63.143(e)(2)
REPLACE	Non-regenerative carbon adsorber is replacing the carbon at a predetermined replacement interval

For scrubbers:

Code	Description
ORGMON	Scrubber is using an organic monitoring device as allowed under § 63.143(e)(2)

★ **Complete "Continuous Monitoring" only if "Control Device Type" is "FLARE," "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND," or "SCRUB" and "Monitoring Options" is "TABLE13" or "ORGMON."**

Continuous Monitoring:
Select one of the following options that describes the continuous monitoring and recordkeeping used for the unit. Enter the code on the form.

Code	Description
151G	Alternative to continuous monitoring as requested and approved under § 63.151(g)
152G	Alternative to continuous monitoring as allowed under§ 63.152(g)
NOALT	Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13

Continuous Monitoring Alt ID No.:
If alternative continuous monitoring has been approved under § 63.151(g), then enter the corresponding unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the approval letter. 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.

Table 4a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC: National Emission Standard for Hazardous Air Pollutants from Petroleum Refineries

This table has been removed from the form. See note below for information on submitting attributes for treatment processes subject to 40 CFR Part 63, Subpart CC.

Note: Treatment processes that receive Group 1 wastewater streams and do not receive streams subject to the provisions of 40 CFR Part 63, Subpart G and 40 CFR §§ 63.133 - 63.147 should be identified on Table 2, for 40 CFR Part 61, Subpart FF.

Treatment processes that receive Group 1 wastewater streams and do receive streams subject to the provisions of 40 CFR Part 63, Subpart G and 40 CFR §§ 63.133 - 63.147 should be addressed as follows:

If complying with §63.640(o)(2)(i), identify on Table 2, for 40 CFR Part 61, Subpart FF, and identify on Table 3, for 40 CFR Part 63, Subpart G.

If complying with §63.640(o)(2)(ii)(A), identify on Table 3, for 40 CFR Part 63, Subpart G.

Treatment processes that receive Group 2 wastewater streams and do receive streams subject to the provisions of 40 CFR Part 63, Subpart G and 40 CFR §§ 63.133 - 63.147 should also be identified on Table 3, for 40 CFR Part 63, Subpart G, as follows:

If complying with §63.640(o)(2)(i) or §63.640(o)(2)(ii)(A), comply with Group 2 requirements.

If complying with §63.640(o)(2)(ii)(B) (Group 2 wastewater whose benzene emissions are subject to control under 40 CFR Part 61, Subpart FF on or after December 31, 1992), comply with Group 1 requirements.

Table 4b: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC, National Emission Standard for Hazardous Air Pollutants from Petroleum Refineries**

This table has been removed from the form.

Table 4c: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart CC, National Emission Standard for Hazardous Air Pollutants from Petroleum Refineries**

This table has been removed from the form.

Table 4d: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63). Subpart CC, National Emission Standard for Hazardous Air Pollutants from Petroleum Refineries**

This table has been removed from the form.

Table 5a: **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 treatment processes for wastewater streams subject to 40 CFR Part 63, Subpart U.**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Series of Processes:
Enter "YES" if the wastewater stream is treated using a series of treatment processes. Otherwise, enter "NO."

★ **Complete "Hard Piping" Only if "Series of Processes" is "YES." If "Series of Processes" is "NO," go to "Biological Treatment Process."**

Hard Piping:
Enter "YES" if the wastewater stream for a combination of treatment processes is conveyed by hard piping. Otherwise, enter "NO."

★ **Complete "Compliance Under Title 40 CFR § 63.138(a)(7)(ii)" Only if "Hard Piping" is "YES."**

Compliance Under Title 40 CFR § 63.138(a)(7)(ii):
Enter "YES" if the owner operator elects to comply with Title 40 CFR § 63.138(a)(7)(ii). Otherwise, enter "NO."

Series Design Evaluation:
Enter "YES" if compliance for the series of treatment processes is demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Biological Treatment Process" Only if "Series of Processes" is "NO." If "Series of Processes" is "YES," go to "Vented to Control" on Table 3b.**

Biological Treatment Process:
Select one of the following options that describes the treatment process. Enter the code on the form.

Code	Description
OPENBIO	Open biological treatment process
CLBIOAER	Closed aerobic biological treatment process
CLBIOAN	Closed anaerobic biological treatment process
NONBIO	Non-biological treatment process

Wastewater Stream Designation:
Enter "YES" if the wastewater stream is designated as Group 1 per 40 CFR § 63.132(e). Otherwise, enter "NO."

Wastewater Stream Treatment:
Select one of the following options that describe the treatment of the wastewater stream(s). Enter the code on the form.

Code	Description
50PPMW	50 ppmw concentration option
STEAM	Design steam stripper option
PERC1	Percent mass removal/destruction option by reducing the mass flow rate by the 99 percent per 40 CFR § 63.138(e)(1)
PERC2	Percent removal/destruction option by reducing the mass flow rate by the Fr value per 40 CFR § 63.138(e)(2)
RCRA	Resource Conservation and Recovery Act (RCRA) unit option
RMR	Required Mass Removal (RMR) option under § 63.138(f)
95RMR	95-percent RMR option for biological processes under § 63.138(g)

▼ **Do Not Continue if "Wastewater Stream Treatment" is "RCRA."**

Table 5b: 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

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Steam Stripper Alternate Monitoring" only if "Wastewater Stream Treatment" is "STEAM."**

Steam Stripper Alternate Monitoring:
Enter "YES" if alternate monitoring parameters are requested and approved for the steam stripper. Otherwise, enter "NO."

Steam Stripper AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP approval letter. 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.

★ **Do Not Complete "Treatment Process Design Evaluation" if "Biological Treatment Process" is "OPENBIO" or if "Wastewater Stream Treatment" is "STEAM."**

Treatment Process Design Evaluation:
Enter "YES" if compliance for the treatment process will be demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Performance Test Exemption" only if "Biological Treatment Process" is "OPENBIO," or if "Biological Treatment Process" is "CLBIOAER" and "Design Evaluation" is "NO."**

Performance Test Exemption:
Enter "YES" if the biological treatment process is exempt from performance test requirements per 40 CFR § 63.145(h)(1)(i) - (ii). Otherwise, enter "NO."

★ **Complete "Combustion Process" Only if "Wastewater Stream Treatment" is "PERC1" or "PERC2" and "Treatment Process Design Evaluation" is "NO."**

Combustion Process:
Enter "YES" if a combustion process is used for treatment. Otherwise, enter "NO."

▼ **Do Not Continue if "Combustion Process" is "YES."**

★ **Complete "§ 63.145(e) Requirements Elected" Only if one of the following conditions is true:**

1. **"Biological Treatment Processes" is "OPENBIO" or "CLBIOAER," "Wastewater Stream Treatment" is "RMR" and "Performance Test Exemption" is "NO."**
2. **"Biological Treatment Processes" is "CLBIOAER," "Wastewater Stream Treatment" is "95RMR," and "Performance Test Exemption" is "NO."**

§ 63.145(e) Requirements Elected:

Enter "YES" if the testing requirements of § 63.145(e) are elected. Otherwise, enter "NO."

▼ **Continue Only if "Biological Treatment Process" is NOT "OPENBIO" or if "Series of Processes" is "YES."**

Table 5c: 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

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Vented To Control:
Enter "YES" if emissions from the treatment process are vented to a control device. Otherwise, enter "NO."

★ **Complete "Fuel Gas System" Only if "Biological Treatment Process" is "CLBIOAN" and "Vented to Control" is "NO."**

Fuel Gas System:
Enter "YES" if the closed anaerobic biological treatment process is vented through hard-piping to a fuel gas system. Otherwise, enter "NO."

▼ **Continue Only if "Vented to Control" is "YES."**

Closed Vent System:
Select the option that describes the operation of the closed vent system. Enter the code on the form.

Code	Description
SUBPTG	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148
SUBPTH	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172

By-pass Lines:
Select the option that describes by-pass lines on the closed vent system. Enter the code on the form.

Code	Description
NONE	No by-pass lines
FLOWIND	By-pass lines are monitored by flow indicators
CARSEAL	By-pass line valves are secured in the closed position with a car-seal or lock-and-key configuration

Combination Of Control Devices:
Enter "YES" if the vent stream is treated using a combination of control devices. Otherwise, enter "NO."

If the response to "Combination of Control Devices" is "YES," complete one additional row on the form for each additional control device. Each row must have a unique SOP Index No.

Control Devices:
Select one of the following options that describe the control device used to treat the hazardous air pollutants (HAPs) in the vent stream(s). Enter the code on the form.

Code	Description
FLARE	Flare
BPH-44+	Boiler or process heater with a design heat input capacity greater than or equal to 44 MW
BPH-VNT	Boiler or process heater into which the emission stream is introduced with primary fuel
BPH-HAZ	Boiler or process heater burning hazardous waste
HAZINC	Hazardous waste incinerator
VAPTH	Thermal vapor incinerator
VAPCAT	Catalytic vapor incinerator
OTHBPH	Boiler or process heater not described above
OTHENC	Other enclosed combustion device
CADS	Carbon adsorber
COND	Condenser
SCRUB	Scrubber
OTHVRS	Other vapor recovery system
OTHER	Other control device

Control Device ID No.:
If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 14 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.

Table 5d: **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**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Compliance with 40 CFR § 63.139(c)(1) only if "Control Device Type" is "VAPTH", "VAPCAT", "OTHBPH" or "OTHENC."**

Compliance with 40 CFR § 63.139(c)(1):
Select one of the following options that describes the method of compliance specified in 40 CFR § 63.139(c)(1). Enter the code on the form.

Code	Description
C1I	The enclosed combustion device being used meets the 95% reduction provisions specified in 40 CFR § 63.139(c)(1)(i)
C1II	The enclosed combustion device being used meets the 20 ppmv concentration provisions specified in 40 CFR § 63.139(c)(1)(ii)
C1III	The enclosed combustion device being used meets the 0.5 second residence time at 760 degrees C provisions specified in 40 CFR § 63.139(c)(1)(iii)

Alternate Monitoring Parameters:
Enter "YES" if the EPA Administrator has approved an AMP. Otherwise, enter "NO."

AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP approval letter. 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 Monitoring Parameters" is "NO."**

★ **Complete "Regeneration" only if "Control Devices" is "CADS."**

Regeneration:
Enter "YES" if the carbon bed is regenerated onsite. Otherwise, enter "NO."

★ **Complete "Performance Test" only if "Control Device Type" is "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND" or "SCRUB"**

Performance Tests:
Enter "YES" if performance tests are used to demonstrate that the control device or combination of control devices achieves the appropriate conditions. Otherwise, enter "NO."

★ **Complete "95% Performance Tests" only if "Performance Tests" is "YES."**

95% Performance Tests:
Enter "YES" if the performance tests are conducted to demonstrate compliance with 95% reduction efficiency. Otherwise, enter "NO."

★ **Complete "Monitoring Options" only if "Alternate Monitoring Parameters" is "NO" and "Control Device Type" is "FLARE," "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND" or "SCRUB."**

Monitoring Options:
Select the monitoring option that describes the monitoring parameters being used for the control device. Enter the code on the form.

For control devices other than scrubbers and non-regenerative carbon adsorbers:

Code	Description
TABLE13	Control device is using the monitoring parameters specified in Table 13
ORGMON	Control device is using an organic monitoring device as allowed under § 63.143(e)(2)

For non-regenerative carbon adsorbers:

Code	Description
ORGMON	Non-regenerative carbon adsorber is using an organic monitoring device as allowed under § 63.143(e)(2)
REPLACE	Non-regenerative carbon adsorber is replacing the carbon at a predetermined replacement interval

For scrubbers:

Code	Description
ORGMON	Scrubber is using an organic monitoring device as allowed under § 63.143(e)(2)

Table 6a: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart JJJ: National mission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**

★ **Complete only for treatment processes at sources that produce a thermoplastic other than polystyrene, acrylonitrile styrene acrylate resin (ASA) or alpha methyl styrene acrylonitrile resin (AMSAN) that treat wastewater streams subject to 40 CFR Part 63, Subpart JJJ.**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Series of Processes:
Enter "YES" if the wastewater stream is treated using a series of treatment processes. Otherwise, enter "NO."

★ **Complete "Hard Piping" Only if "Series of Processes" is "YES." If "Series of Processes" is "NO," go to "Biological Treatment Process."**

Hard Piping:
Enter "YES" if the wastewater stream for a combination of treatment processes is conveyed by hard piping. Otherwise, enter "NO."

★ **Complete "Compliance Under Title 40 CFR § 63.138(a)(7)(ii)" Only if "Hard piping" is "YES."**

Compliance Under Title 40 CFR § 63.138(a)(7)(ii):
Enter "YES" if the owner operator elects to comply with Title 40 CFR § 63.138(a)(7)(ii). Otherwise, enter "NO."

Series Design Evaluation:
Enter "YES" if compliance for the series of treatment processes is demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Biological Treatment Process" Only if "Series of Processes" is "NO." If "Series of Processes" is "YES," go to "Vented to Control" on Table 3b.**

Biological Treatment Process:
Select one of the following options that describe the treatment process. Enter the code on the form.

Code	Description
OPENBIO	Open biological treatment process
CLBIOAER	Closed aerobic biological treatment process
CLBIOAN	Closed anaerobic biological treatment process
NONBIO	Non-biological treatment process

Wastewater Stream Designation:
Enter "YES" if the wastewater stream is designated as Group 1 per 40 CFR § 63.132(e). Otherwise, enter "NO."

Wastewater Stream Treatment:
Select one of the following options that describe the treatment of the wastewater stream(s). Enter the code on the form.

Code	Description
50PPMW	50 ppmw concentration option
STEAM	Design steam stripper option
PERC1	Percent mass removal/destruction option by reducing the mass flow rate by the 99 percent per 40 CFR § 63.138(e)(1)
PERC2	Percent removal/destruction option by reducing the mass flow rate by the Fr value per 40 CFR § 63.138(e)(2)
RCRA	Resource Conservation and Recovery Act (RCRA) unit option
RMR	Required Mass Removal (RMR) option under § 63.138(f)
95RMR	95-percent RMR option for biological processes under § 63.138(g)

Do Not Continue if "Wastewater Stream Treatment" is "RCRA."

Table 6b: **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**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Steam Stripper Alternate Monitoring" only if "Wastewater Stream Treatment" is "STEAM."**

Steam Stripper Alternate Monitoring:
Enter "YES" if alternate monitoring parameters are requested and approved for the steam stripper. Otherwise, enter "NO."

Steam Stripper AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP approval letter. 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.

Do Not Complete "Treatment Process Design Evaluation" if "Biological Treatment Process" is "OPENBIO" or if "Wastewater Stream Treatment" is "STEAM."

Treatment Process Design Evaluation:
Enter "YES" if compliance for the treatment process will be demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Performance Test Exemption" only if "Biological Treatment Process" is "OPENBIO," or if "Biological Treatment Process" is "CLBIOAER" and "Design Evaluation" is "NO."**

Performance Test Exemption:
Enter "YES" if the biological treatment process is exempt from performance test requirements per 40 CFR § 63.145(h)(1)(i) - (ii). Otherwise, enter "NO."

★ **Complete "Combustion Process" Only if "Wastewater Stream Treatment" is "PERC1" or "PERC2" and "Treatment Process Design Evaluation" is "NO."**

Combustion Process:
Enter "YES" if a combustion process is used for treatment. Otherwise, enter "NO."

▼ **Do Not Continue if "Combustion Process" is "YES."**

★ **Complete "§ 63.145(e) Requirements Elected" Only if one of the following conditions is true:**

1. **"Biological Treatment Processes" is "OPENBIO" or "CLBIOAER," "Wastewater Stream Treatment" is "RMR" and "Performance Test Exemption" is "NO."**
2. **"Biological Treatment Processes" is "CLBIOAER" and "Wastewater Stream Treatment" is "95RMR" and "Performance Test Exemption" is "NO."**

§ 63.145(e) Requirements Elected:
Enter "YES" if the testing requirements of § 63.145(e) are elected. Otherwise, enter "NO."

▼ **Continue only if "Biological Treatment Process" is NOT "OPENBIO" or if "Series of Processes" is "YES."**

Table 6c: **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**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Vented To Control:
Enter "YES" if emissions from the treatment process are vented to a control device. Otherwise, enter "NO."

★ **Complete "Fuel Gas System" Only if "Biological Treatment Process" is "CLBIOAN" and "Vented to Control" is "NO."**

Fuel Gas System:
Enter "YES" if the closed anaerobic biological treatment process is vented through hard-piping to a fuel gas system. Otherwise, enter "NO."

▼ **Continue Only if "Vented to Control" is "YES."**

Closed Vent System:
Select the option that describes the operation of the closed vent system. Enter the code on the form.

Code	Description
SUBPTG	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148
SUBPTH	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172

By-pass Lines:
Select the option that describes by-pass lines on the closed vent system. Enter the code on the form.

Code	Description
NONE	No by-pass lines
FLOWIND	By-pass lines are monitored by flow indicators
CARSEAL	By-pass line valves are secured in the closed position with a car-seal or lock-and-key configuration

Combination Of Control Devices:
Enter "YES" if the vent stream is treated using a combination of control devices. Otherwise, enter "NO."

If the response to "Combination of Control Devices" is "YES," complete one additional row on the form for each additional control device. Each row must have a unique SOP Index No.

Control Devices:
Select one of the following options that describe the control device used to treat the hazardous air pollutants (HAPs) in the vent stream(s). Enter the code on the form.

Code	Description
FLARE	Flare
BPH-44+	Boiler or process heater with a design heat input capacity greater than or equal to 44 MW
BPH-VNT	Boiler or process heater into which the emission stream is introduced with primary fuel
BPH-HAZ	Boiler or process heater burning hazardous waste
HAZINC	Hazardous waste incinerator
VAPTH	Thermal vapor incinerator
VAPCAT	Catalytic vapor incinerator
OTHBPH	Boiler or process heater not described above
OTHENC	Other enclosed combustion device
CADS	Carbon adsorber
COND	Condenser
SCRUB	Scrubber
OTHVRS	Other vapor recovery system
OTHER	Other control device

Control Device ID No.:
If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 14 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.

Table 6d: **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**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

★ **Complete "Compliance with 40 CFR § 63.139(c)(1) only if "Control Device Type" is "VAPTH", "VAPCAT", "OTHBPH" or "OTHENC."**

Compliance With 40 CFR § 63.139(c)(1):
Select one of the following options that describes the method of compliance specified in 40 CFR § 63.139(c)(1). Enter the code on the form.

Code	Description
C1I	The enclosed combustion device being used meets the 95% reduction provisions specified in 40 CFR § 63.139(c)(1)(i)
C1II	The enclosed combustion device being used meets the 20 ppmv concentration provisions specified in 40 CFR § 63.139(c)(1)(ii)
C1III	The enclosed combustion device being used meets the 0.5 second residence time at 760 degrees C provisions specified in 40 CFR § 63.139(c)(1)(iii)

Alternate Monitoring Parameters:
Enter "YES" if the EPA Administrator has approved an AMP. Otherwise, enter "NO."

AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP approval letter. 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 Monitoring Parameters" is "NO."**

★ **Complete "Regeneration" only if "Control Devices" is "CADS."**

Regeneration:
Enter "YES" if the carbon bed is regenerated onsite. Otherwise, enter "NO."

★ **Complete "Performance Test" only if "Control Device Type" is "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND" or "SCRUB"**

Performance Tests:
Enter "YES" if performance tests are used to demonstrate that the control device or combination of control devices achieves the appropriate conditions. Otherwise, enter "NO."

★ **Complete "95% Performance Tests" only if "Performance Tests" is "YES."**

95% Performance Tests:
Enter "YES" if the performance tests are conducted to demonstrate compliance with 95% reduction efficiency. Otherwise, enter "NO."

★ **Complete "Monitoring Options" only if "Alternate Monitoring Parameters" is "NO" and "Control Device Type" is "FLARE," "VAPTH," "VAPCAT," "OTHBPH," "CADS," "COND" or "SCRUB."**

Monitoring Options:
Select the monitoring option that describes the monitoring parameters being used for the control device. Enter the code on the form.

For control devices other than scrubbers and non-regenerative carbon adsorbers:

Code	Description
TABLE13	Control device is using the monitoring parameters specified in Table 13
ORGMON	Control device is using an organic monitoring device as allowed under § 63.143(e)(2)

For non-regenerative carbon adsorbers:

Code	Description
ORGMON	Non-regenerative carbon adsorber is using an organic monitoring device as allowed under § 63.143(e)(2)
REPLACE	Non-regenerative carbon adsorber is replacing the carbon at a predetermined replacement interval

For scrubbers:

Code	Description
ORGMON	Scrubber is using an organic monitoring device as allowed under § 63.143(e)(2)

Table 7a: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

★ **Complete only for treatment processes for streams at MCPUs that meet criteria in 40 CFR § 63.2435(a)-(b) and § 63.2485 and that are not complying with the pollution prevention alternative standards §63.2495(a)(1) and (2) in lieu of the emission limitations and work practice standards contained in Table 7.**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Series Of Processes:
Enter "YES" if the wastewater stream is treated using a series of treatment processes. Otherwise, enter "NO."

★ **Complete "Hard piping" only if "Series of Processes" is "YES." If "Series of Processes" is "NO," go to "Biological Treatment Process."**

Hard Piping:
Enter "YES" if the wastewater stream for a combination of treatment processes is conveyed by hard piping. Otherwise, enter "NO."

★ **Complete "Compliance under Title 40 CFR § 63.138(a)(7)(ii)" only if "Hard Piping" is "YES."**

Compliance Under Title 40 CFR § 63.138(a)(7)(ii):
Enter "YES" if the owner operator elects to comply with Title 40 CFR § 63.138(a)(7)(ii). Otherwise, enter "NO."

Series Design Evaluation:
Enter "YES" if compliance for the series of treatment processes is demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Biological Treatment Process" only if "Series of Processes" is "NO." If "Series of Processes" is "YES," go to "Vented to Control" on Table 7c.**

Biological Treatment Process:
Select one of the following options that describe the treatment process. Enter the code on the form.

Code	Description
OPENBIO	Open biological treatment process
CLBIOAER	Closed aerobic biological treatment process
CLBIOAN	Closed anaerobic biological treatment process
NONBIO	Non-biological treatment process

Wastewater Stream Designation:
Enter "YES" if the wastewater stream is designated as Group 1 per 40 CFR § 63.132(e). Otherwise, enter "NO."

Wastewater Stream Treatment:
Select one of the following options that describe the treatment of the wastewater stream(s). Enter the code on the form.

Code	Description
50PPMW	50 ppmw concentration option
10PPMW	10 ppmw concentration option
STEAM	Design steam stripper option
PERC1	Percent mass removal/destruction option by reducing the mass flow rate by the 99 percent per 40 CFR § 63.138(e)(1)
PERC2	Percent removal/destruction option by reducing the mass flow rate by the Fr value per 40 CFR § 63.138(e)(2)
RCRA	Resource Conservation and Recovery Act (RCRA) unit option
RMR	Required Mass Removal (RMR) option under § 63.138(f)
95RMR	95-percent RMR option for biological processes under § 63.138(g)

Do Not Continue if "Wastewater Stream Treatment" is "RCRA."

Table 7b: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Complete "Steam Stripper Alternate Monitoring" only if "Wastewater Stream Treatment" is "STEAM."

Steam Stripper Alternate Monitoring:
Enter "YES" if alternate monitoring parameters are requested and approved for the steam stripper. Otherwise, enter "NO."

Steam Stripper AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP 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.

★ **Do Not Complete "Treatment Process Design Evaluation" if "Biological Treatment Process" is "OPENBIO" or if "Wastewater Stream Treatment" is "STEAM."**

Treatment Process Design Evaluation:
Enter "YES" if compliance for the treatment process will be demonstrated using design evaluation. Otherwise, enter "NO."

★ **Complete "Performance Test Exemption" only if "Biological Treatment Process" is "OPENBIO," or if "Biological Treatment Process" is "CLBIOAER" or "CLBIOAN" and "Treatment Process Design Evaluation" is "NO."**

Performance Test Exemption:
Enter "YES" if the biological treatment process is exempt from performance test requirements per 40 CFR § 63.145(h)(1)(i) - (ii). Otherwise, enter "NO."

★ **Complete "Combustion Process" only if "Wastewater Stream Treatment" is "PERC1" or "PERC2" and "Treatment Process Design Evaluation" is "NO."**

Combustion Process:
Enter "YES" if a combustion process is used for treatment. Otherwise, enter "NO."

▼ **Do Not Continue if "Combustion Process" is "YES."**

★ **Complete "§ 63.145(e) Requirements Elected" only if one of the following conditions is true:**

1. **"Biological Treatment Processes" is "OPENBIO" or "CLBIOAER," "Wastewater Stream Treatment" is "RMR" and "Performance Test Exemption" is "NO."**
2. **"Biological Treatment Processes" is "CLBIOAER" or "CLBIOAN;" and "Wastewater Stream Treatment" is "95RMR" and "Performance Test Exemption" is "NO."**

§ 63.145(e) Requirements Elected:
Enter "YES" if the testing requirements of § 63.145(e) are elected. Otherwise, enter "NO."

Do not continue if "Biological Treatment Process" is "OPENBIO."

Table 7c: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Vented To Control:
Enter "YES" if emissions from the treatment process are vented to a control device. Otherwise, enter "NO."

Complete "Fuel Gas System" only if "Biological Treatment Process" is "CLBIOAN" and "Vented to Control" is "NO."

Fuel Gas System:
Enter "YES" if the closed anaerobic biological treatment process is vented through hard-piping to a fuel gas system. Otherwise, enter "NO."

▼ **Continue only if "Vented to Control" is "YES."**

Closed Vent System:
Select the option that describes the operation of the closed vent system. Enter the code on the form.

Code	Description
SUBPTG	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148
SUBPTH	Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172

By-pass Lines:
Select the option that describes by-pass lines on the closed vent system. Enter the code on the form.

Code	Description
NONE	No by-pass lines
FLOWIND	By-pass lines are monitored by flow indicators
CARSEAL	By-pass line valves are secured in the closed position with a car-seal or lock-and-key configuration

Combination Of Control Devices:
Enter "YES" if the vent stream is treated using a combination of control devices. Otherwise, enter "NO."

If the response to "Combination of Control Devices" is "YES," complete one additional row on the form for each additional control device. Each row must have a unique SOP Index No.

Control Devices:
Select one of the following options that describe the control device used to treat the hazardous air pollutants (HAPs) in the vent stream(s). Enter the code on the form.

Code	Description
FLARE	Flare
BPH-44+	Boiler or process heater with a design heat input capacity greater than or equal to 44 MW
BPH-VNT	Boiler or process heater into which the emission stream is introduced with primary fuel
BPH-HAZ	Boiler or process heater burning hazardous waste meeting 40 CFR § 63.139(d)(4)(iii)
HAZINC	Hazardous waste incinerator
VAPTH	Thermal vapor incinerator
VAPCAT	Catalytic vapor incinerator
BPH-44-	Boiler or process heater with a design heat capacity less than 44MW and into which the emission stream is not introduced with the primary fuel
OTHENC	Other enclosed combustion device
CADS	Carbon adsorber
COND	Condenser
SCRUB	Scrubber
OTHVRS	Other vapor recovery system
OTHER	Other control device

Control Device ID No.:
If applicable, enter the identification number (ID No.) for the control device to which emissions are routed (maximum 14 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 "Compliance with 40 CFR § 63.139(c)(1) only if "Control Device Type" is "VAPTH", "VAPCAT", "BPH-44-" or "OTHENC."**

Compliance With 40 CFR § 63.139(c)(1):
Select one of the following options that describes the method of compliance specified in 40 CFR § 63.139(c)(1). Enter the code on the form.

Code	Description
C1I	The enclosed combustion device being used meets the 95% reduction provisions specified in 40 CFR § 63.139(c)(1)(i)
C1II	The enclosed combustion device being used meets the 20 ppmv concentration provisions specified in 40 CFR § 63.139(c)(1)(ii)
H3	The enclosed combustion device being used meets the 20 ppmv concentration provisions but using alternate method specified in 40 CFR § 63.2485(h)(3) in lieu of 40 CFR § 63.139(c)(1)(ii)
C1III	The enclosed combustion device being used meets the 0.5 second residence time at 760 degrees C provisions specified in 40 CFR § 63.139(c)(1)(iii)

Table 7d: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

Process ID No.:
Enter the identification number (ID No.) for the treatment process (maximum 14 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 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.

Halogenated:
Select one of the following codes that describe the halogen characteristic of the stream. Enter the code on the form.

Code	Description
DES	The stream is designated as halogenated
DET	The stream is determined as halogenated
NON	The stream is determined as non-halogenated

★ **Complete "Halogen Reduction" only if "Halogenated" is "DES" or "DET" and "Control Device Type" is "FLARE," "BPH-44+," "BPH-VNT," "BPH-HAZ," "HAZINC," "VAPTH," "VAPCAT," "BPH-44-," or "OTHENC."**

Halogen Reduction:
Select one of the following codes that describes the halogen reduction device emission limit. Enter the code on the form.

Code	Description
AFT20-	The halogen reduction device is located after the combustion control device and is reducing overall emissions of hydrogen halide and halogen HAP to a concentration ≤ 20 ppmv
AFT45-	The halogen reduction device is located after the combustion device and is reducing the overall emissions of hydrogen halide and halogen HAP to ≤ 0.45 kg/hr
AFT99+	The halogen reduction device is located after the combustion device and is reducing overall emissions of hydrogen and halogen HAP by ≥99 percent
BEF	The halogen reduction device is located before the combustion control device and is reducing the halogen atom mass emission rate to ≤ 0.45 kg/hr or to a concentration ≤ 20 ppmv

Alt 63G Mon Parameters:
Enter "YES" if the EPA Administrator has approved an AMP. Otherwise, enter "NO."

AMP ID No.:
If an AMP has been approved, then enter the corresponding AMP unique identifier for each unit or process (maximum 14 characters). If the unique identifier is unavailable, then enter the date of the AMP 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.

▼ **Continue only if "Alt 63G Mon Parameters" is "NO."**

Complete "Regeneration" only if "Control Devices" is "CADS."

Regeneration:
Enter "YES" if the carbon bed is regenerated onsite. Otherwise, enter "NO."

★ **Complete "Performance Test" only if "Control Device Type" is "VAPTH," "VAPCAT," "BPH-44-," "CADS," "COND" or "SCRUB."**

Performance Tests:
Enter "YES" if performance tests are used to demonstrate that the control device or combination of control devices achieves the appropriate conditions. Otherwise, enter "NO."

★ **Complete "2485H3" only if "Performance Tests" is "YES" and "Control Devices" is "VAPTH" or "VAPCAT."**

2485(h)(3):
Enter "YES" if the method in 40 CFR § 63.2485(h)(3) is used in lieu of 40 CFR § 63.145(i)(2). Otherwise, enter "NO."

★ **Complete "95% Performance Tests" only if "Performance Tests" is "YES."**

95% Performance Tests:
Enter "YES" if the performance tests are conducted to demonstrate compliance with 95% reduction efficiency. Otherwise, enter "NO."

★ **Complete "Monitoring Options" only if "Alt 63G Mon Parameters" is "NO" and "Control Device Type" is "VAPTH", "VAPCAT", "BPH-44-", "CADS" or "COND."**

Monitoring Options:
Select the monitoring option that describes the monitoring parameters being used for the control device. Enter the code on the form.

For control devices other than scrubbers and non-regenerative carbon adsorbers:

Code	Description
TABLE13	Control device is using the monitoring parameters specified in Table 13
ORGMON	Control device is using an organic monitoring device as allowed under § 63.143(e)(2)

For non-regenerative carbon adsorbers:

Code	Description
ORGMON	Non-regenerative carbon adsorber is using an organic monitoring device as allowed under § 63.143(e)(2)
REPLACE	Non-regenerative carbon adsorber is replacing the carbon at a predetermined replacement interval