



# Texas Commission on Environmental Quality

## Form OP-UA59 - Instructions Coke By-Product Recovery Plant Attributes

### General:

This form is used to provide a description and data pertaining to all coke by-product recovery plants with potentially applicable requirements associated with a particular account 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 coke by-product recovery plant 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.

**Tables 1a and 1b:** Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)  
Subpart L: National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants

The Texas Commission on Environmental Quality (TCEQ) primary account number (XX-XXXX-X) and 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, the date of the revision submittal, and the account number.

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 (EPA) Administrator before the federal operating permit application is submitted.

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### Specific:

**Table 1a:** Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)  
**Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants**

*Complete Tables 1a and 1b only for tar decanters, tar intercepting sumps, light-oil condensers, naphthalene processing operations, final coolers, and exhausters at coke by-product recovery plants.*

**UNIT ID NO.:** Enter the identification number (ID No.) for the affected source at the coke by-product recovery plant (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP INDEX NO.: Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

EQUIPMENT TYPE: Select one of the following options that describes the source at the coke by-product recovery plant. Enter the code on the form.

<u>Code</u>	<u>Description</u>
DCS	Tar decanter, light-oil condenser, or tar intercepting sump
NPFC	Naphthalene processing operation or final cooler
EXST	Exhauster

INITIAL STARTUP DATE: Select one of the following options to describe the initial startup of the affected source. Enter the code on the form.

<u>Code</u>	<u>Description</u>
89-	Before September 14, 1989
89+	On or after September 14, 1989

▼ **Continue Only if “Equipment Type” is “DCS” or “EXST.”**

AMEL: Enter “YES” if the TCEQ Executive Director (or EPA Administrator) has approved an alternative means of emission limitation (AMEL) in accordance with 40 CFR § 61.136(d)(1). Otherwise, enter “NO.”

AMEL ID NO.: If an AMEL has been approved, enter the corresponding AMEL unique identifier for each unit (maximum 10 characters). If the unique identifier is unavailable, then enter the date of the AMEL approval letter. The unique identifier and/or the date of the approval letter is contained in the Compliance File under the appropriate account number. Otherwise, leave this column blank.

★ **Complete “Subject to § 61.133” only if “AMEL” is “YES” and “Equipment Type” is “EXST.”**

SUBJECT TO § 61.133: Enter “YES” if the source is subject to 40 CFR § 61.133. Otherwise, enter “NO.”

★ **Complete “Furnace or Foundry” only if “Equipment Type” is “DCS” and “AMEL” is “NO.”**

FURNACE OR FOUNDRY: Select one of the following options to describe the coke by-product recovery plant. Enter the code on the form.

<u>Code</u>	<u>Description</u>
FURN	Furnace coke by-product recovery plant
FOUND	Foundry coke by-product recovery plant

**Table 1b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)  
Subpart L: National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants**

UNIT ID NO.: Enter the identification number (ID No.) for the affected source at the coke by-product recovery plant (maximum 10 characters) as listed on Form OP-SUM (Individual Unit Summary).

SOP INDEX NO.: Site operating permit (SOP) applicants should indicate the SOP index number for the unit or group of units (maximum 15 characters consisting of numeric, alphanumeric characters, and/or dashes prefixed by a code for the applicable regulation [i.e., 60KB-XXXX]). For additional information relating to SOP index numbers, please refer to the TCEQ guidance document entitled “Federal Operating Permit Application Guidance Document.”

★ **Complete “§ 61.132(a)(2)(i) Devices” and “Open to Atmosphere” only if “Equipment Type” is “DCS.”**

§ 61.132(a)(2)(i) DEVICES: Enter “Yes” if a pressure relief device, vacuum relief device, access hatch, and a sampling port is installed on the tar decanter, light-oil condenser, or tar-intercepting sump. Otherwise, enter “NO.”

OPEN TO ATMOSPHERE: Enter “Yes” if the source is a tar decanter. Otherwise, enter “NO.”

★ **Complete “Alternative Control Device” only if “Equipment Type” is “DCS” and “AMEL” is “YES.”**

ALTERNATIVE CONTROL DEVICE: Select one of the following options to describe the alternative control device used for each process vessel or tar intercepting sump. Enter the code on the form.

<u>Code</u>	<u>Description</u>
RECAD	Regenerative carbon adsorber
NRCAD	Non-regenerative carbon adsorber
CATA	Catalytic incinerator
INCIN	Vapor incinerator other than a catalytic incinerator

CONTROL DEVICE ID NO.: If applicable, enter the identification number (ID No.) for the control device to which the tar decanter, light-oil condenser, or tar intercepting sump routes emissions (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM (Individual Unit Summary).

▼ **Continue Only if “Equipment Type” is “EXST.”**

EXHAUSTER OPTIONS: Select one of the following options to describe the exhauster. Enter the code on the form.

<u>Code</u>	<u>Description</u>
SEAL	Exhauster is equipped with a seal system that includes a barrier fluid system and that prevents leakage of process fluids to the atmosphere
CVS	A closed vent system is used with the exhauster
NOEM	Exhauster is designated as described in 40 CFR § 61.246(e) for no detectable emissions
VAC	Exhauster is in vacuum service and is identified as required in 40 CFR § 61.246(e)(5)
242CD	A control device as described in 40 CFR § 61.242-11 is being used

★ **Complete “Control Device Type” only if “Exhauster Options” is “CVS” and “AMEL” is “NO.”**

CONTROL DEVICE TYPE: Select one of the following options to describe the type of control device used for each exhauster. Enter the code on the form.

<u>Code</u>	<u>Description</u>
VRS	Vapor recovery system
ENCS	Enclosed combustion system
FLARE	Flare

CONTROL DEVICE ID NO.: If applicable, enter the identification number (ID No.) for the control device to which the exhauster routes emissions (maximum 10 characters). This number should be consistent with the control device identification number listed on Form OP-SUM (Individual Unit Summary).



