

Texas Commission on Environmental Quality
Form OP-UA26
Electroplating and Anodizing Unit Attributes

General:

This form is used to provide a description and data pertaining to all hard and decorative chromium electroplating and chromium anodizing tanks 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 hard and decorative chromium electroplating and chromium anodizing tank, 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 1a - 1b: **Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
Subpart N: National Emissions Standards for Hazardous Air Pollutants from Chromium
Emissions from Hard and Decorative Chromium Electroplating and Chromium
Anodizing Tanks

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.

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.

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 (RN)* and *Customer Reference (CN)* numbers have been issued by the TCEQ and no core data information has changed. The Central Registry, a common record area of the TCEQ which maintains information about TCEQ customers and regulated activities, such as company names, addresses, and telephone numbers. This information is commonly referred 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 CN number and the 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 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart N: National Emissions Standards for Hazardous Air Pollutants from Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**

- ★ **Complete this table only for chromium electroplating or chromium anodizing tanks used in hard chromium electroplating, decorative chromium electroplating, or chromium anodizing operations that are major sources of HAP or are located at a site that is a major source of HAP.**

Unit ID No.:

Enter the identification number (ID No.) for the chromium electroplating or anodizing tank (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 website at www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_initial.pdf.

Research and Lab Operations:

Enter “YES” if research and laboratory operations are the only operations performed in the chromium electroplating or chromium anodizing tank. Otherwise, enter “NO.”

- ▼ **Continue only if “Research and Lab Operations” is “NO.”**

Tank Type:

Select one of the following options for the chromium electroplating or chromium anodizing tank type. Enter the code on the form.

Code	Description
HARD	The tank is used in a hard chromium electroplating operation
DECOR	The tank is used in a decorative chromium electroplating operation
ANODE	The tank is used in a chromium anodizing operation

- ★ **Complete “Enclosed Tank” only if “Tank Type” is “HARD.”**

Enclosed Tank:

Enter “YES” if the hard electroplating tank is an enclosed tank as defined in 40 CFR § 60.341. Otherwise, enter “NO.”

- ★ **Complete “Existing Source” only if “Tank Type” is “HARD.”**

Existing Source:

Enter “YES” if the tank is an existing source located at a small hard chromium electroplating operation. Otherwise, enter “NO.”

- ★ **Complete “Mass Rate” only if “Tank Type” is “HARD” and “Enclosed Tank” is “YES.”**

Mass Rate:

Enter “YES” if the enclosed tank is complying with the mass rate emission limitation of 40 CFR § 63.342(c)(2)(iv) or (v) by not allowing the total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate determined by the calculation procedure in 40 CFR § 63.344(f)(1)(i) or (ii). Otherwise, enter “NO.”

★ Complete “Trivalent Chromium Bath” only if “Tank Type” is “DECOR.”

Trivalent Chromium Bath:

Select one of the following bath types used by the process. Enter the code on the form.

Code	Description
TRIVAL	Trivalent chromium bath not using a wetting agent as a bath ingredient
TRIWET	Trivalent chromium bath incorporating a wetting agent as a bath ingredient
OTHER	Any bath type other than a trivalent chromium bath

▼ Do not continue only if “Tank Type” is “DECOR” and “Trivalent Chromium Bath” is “TRIWET.”

Chemical Fume Suppressant Using a Wetting Agent:

Enter “YES” if a chemical fume suppressant containing a wetting agent is used to comply with the emission limitation in 40 CFR §§ 63.342(c)(1)(iii), 63.342(c)(2)(iii) or 63.342(d)(2). Otherwise, enter “NO.”

★ Complete “Rectifier Capacity” only if “Existing Source” is “YES” and “Chemical Fume Suppressant Using a Wetting Agent” is “NO.”

Rectifier Capacity:

Select one of the following options that describes the rectifier capacity for the hard chromium electroplating facility. Enter the code on the form.

Code	Description
60-	The maximum cumulative potential rectifier capacity for all hard chromium electroplating tanks at the facility is less than 60 million ampere-hours per year.
REC	The maximum cumulative potential rectifier capacity for all hard chromium electroplating tanks at the facility is 60 million ampere-hours per year or greater, but records document that previous actual rectifier capacity is less than 60 million ampere-hours per year for all years.
FED	The maximum cumulative potential rectifier capacity for all hard chromium electroplating tanks at the facility is 60 million ampere-hours per year or greater, but a federally enforceable limit is in place and records are kept to document that actual rectifier capacity is less than 60 million ampere-hours per year.

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
 Subpart N: National Emissions Standards for Hazardous Air Pollutants from Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks

Unit ID No.:

Enter the identification number (ID No.) for the chromium electroplating or anodizing tank (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 website at www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_initial.pdf.

Control Technique:

Select one of the following control techniques used for complying with the emission limitation. Enter the code on the form.

Code	Description
MESHPAD	Using only a composite mesh pad system
PBSCRUB	Using only a packed bed scrubber system
PAD/SCR	Using a packed bed scrubber system in conjunction with a composite mesh pad system
FBMELIM	Using only a fiber-bed mist eliminator

WETFOAM	Using a wetting agent-type or combination wetting agent-type/foam blanket fume suppressants
BLANKET	Using only a foam blanket-type fume suppressant
ADD-ON	Using both a fume suppressant and an add-on control device (use this code only if both the fume suppressant and the add-on control device are necessary to achieve compliance.)
OTHER	Other air pollution control device or technique

Control Device ID No.:

Enter the identification number (ID No.) for the control device (maximum 10 characters). This number should be consistent with the number listed on Form OP-SUM. If the “Control Techniques” designation includes a combination of control devices, then list both applicable identification numbers.

★ **Complete “Alternate Monitoring Method” and “AMM ID No.” only if “Control Technique” is not “OTHER.”**

Alternate Monitoring Method (AMM):

Enter “YES” if the EPA Administrator has approved an AMM. Otherwise, enter “NO.”

AMM ID No.:

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

▼ **Continue only if “Control Technique” is “MESH PAD,” “PBSCRUB,” “PAD/SCR,” “FBMELIM,” “ADD-ON” or “OTHER.”**

Common Add-On Control:

Enter “YES” if the owner or operator is controlling multiple sources with a common add-on control device. Otherwise, enter “NO.”

▼ **Continue only if “Common Add-on Control” is “YES.”**

Different Emission Limitations:

Enter “YES” if the affected sources are performing different types of operations or the same operation subject to different emissions limitations. Otherwise, enter “NO.”

▼ **Continue only if “Different Emission Limitations” is “NO.”**

Same Emission Limitations:

Enter “YES” if the affected sources are performing the same type of operation with the same emission limitations and also controlling emissions from a non-affected source. Otherwise, enter “NO.”

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Federal Operating Permit Program

**Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart N: National Emission Standards for Chromium Emissions from Hard and
Decorative Chromium Electroplating and Chromium Anodizing Tanks**

Date:	
Permit No.:	
Regulated Entity No.:	

Unit ID No.	SOP Index No.	Research and Lab Operations	Tank Type	Enclosed Tank	Existing Source	Mass Rate	Trivalent Chromium Bath	Chemical Fume Suppressant Using a Wetting Agent	Rectifier Capacity

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Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart N: National Emission Standards for Chromium Emissions

From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks

Date:	
Permit No.:	
Regulated Entity No.:	

Unit ID No.	SOP Index No.	Control Technique	Control Device ID No.	Alternate Method Monitoring (AMM)	AMM ID No.	Common Add-on Control	Different Emission Limitations	Same Emission Limitations