



HAZARDOUS WASTE TANKS

And tank system requirements

-Justin Martinez, EHS III



HAZARDOUS WASTE TANK SYSTEMS - APPLICABILITY

SQG HW: [22 CCR §66262.16\(b\)\(3\)](#)

LQG HW: [22 CCR, Division 4.5, Chapter 15, Article 10](#)

Helpful guidance document: CUPA HW Tank System Requirements

(https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/lqg_waste_ast_guidance.pdf)

Disclaimer - the regulation citations have been updated from the GIR, so numbers will be different*

FIRST, WHAT IS A TANK?

(AS DEFINED IN T22)

Depending on the industry...



These are called tanks

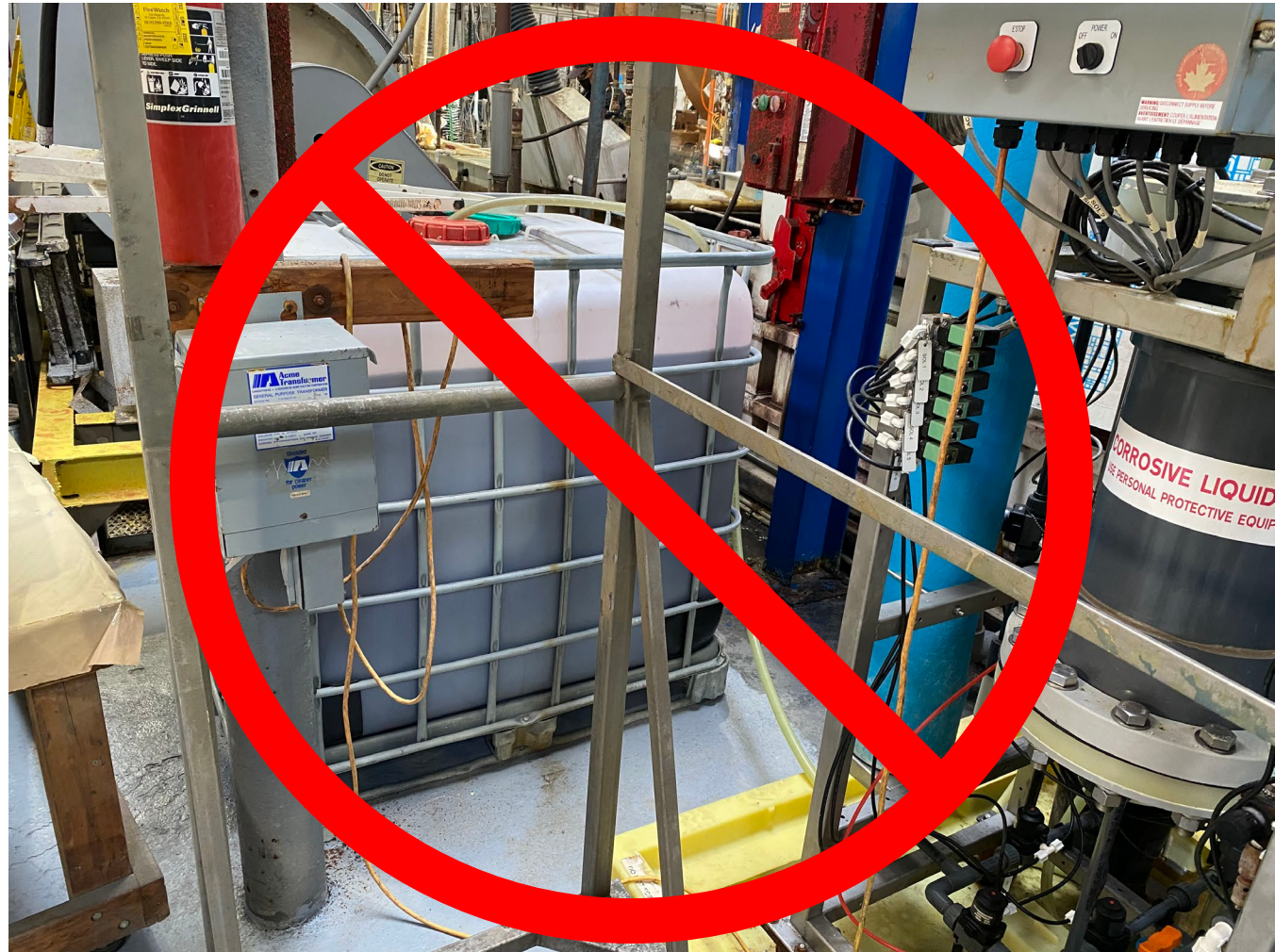
A TANK (PER T22) IS...

A **stationary device**, designed to contain an accumulation of hazardous waste which is constructed primarily of non-earthen materials (e.g., wood, concrete, steel, plastic) **which provide structural support.**

- Typically, tanks are only fabricated to contain product/wastes in a stationary manner.
- Cannot be transported with materials (Not DOT rated)
 - IBCs, drums, totes, portable containers are rated for DOT transport with materials and are not considered tanks



IS THIS CONSIDERED A TANK?



Not a stationary device, or used in a stationary manner

IS THIS CONSIDERED A TANK?



Looks like a tank. Is a DOT transport vessel. Not a stationary device, or used in a stationary manner

IS THIS CONSIDERED A TANK?



This is a tank. It meets the T22 Definition

A TANK SYSTEM IS...

A hazardous waste transfer, storage or treatment tank and its **associated ancillary equipment** and containment system. This may include [but is not limited to]:

- 1) Delivery pipe
- 2) Transfer hose/pipe
- 3) Pressure relief valve
- 4) Transfer pump
- 5) Valve (ball or gate, typically)
- 6) Pressure gauge or fill gauge
- 7) Secondary Containment



SO... YOU WANT TO INSTALL A HAZARDOUS WASTE TANK?



You'll need to understand the basics... but first

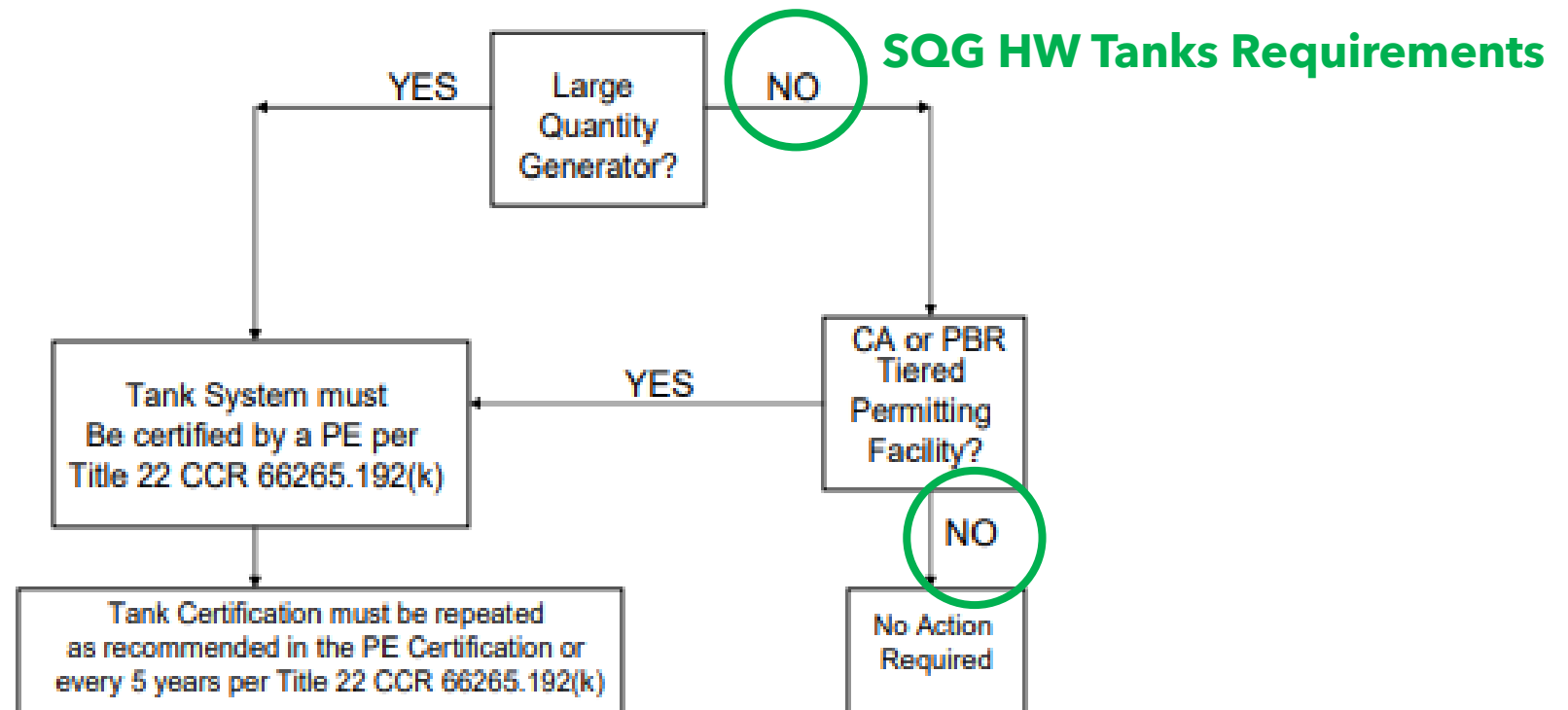
WHICH GENERATOR CATEGORY APPLIES TO YOUR FACILITY?

Requirement	SQG	LQG
Hazardous Waste Determination	The generator shall make a HW determination: • Determine if the material is a waste. • Determine if the waste is excluded from being regulated as a hazardous waste. • Determine if the waste is a listed hazardous waste. • Determine if the waste exhibits a hazardous waste characteristic. 22 CCR §66262.11	The generator shall make a HW determination: • Determine if the material is a waste. • Determine if the waste is excluded from being regulated as a hazardous waste. • Determine if the waste is a listed hazardous waste. • Determine if the waste exhibits a hazardous waste characteristic. 22 CCR §66262.11
Monthly Generator Category Determination	< 1,000 kg/month of non-acute HW and ≤ 1 kg of acutely/extremely HW. See table in 22 CCR §66262.13	≥ 1,000 kg/month of non-acute HW or > 1 kg of acutely/extremely HW. See table in 22 CCR §66262.13

HAZARDOUS WASTE TANK SYSTEMS - SQG VS LQG

Which applies to your facility?

New Hazardous Waste Tank Systems or Components



SMALL QUANTITY GENERATOR TANKS

Installation Requirements



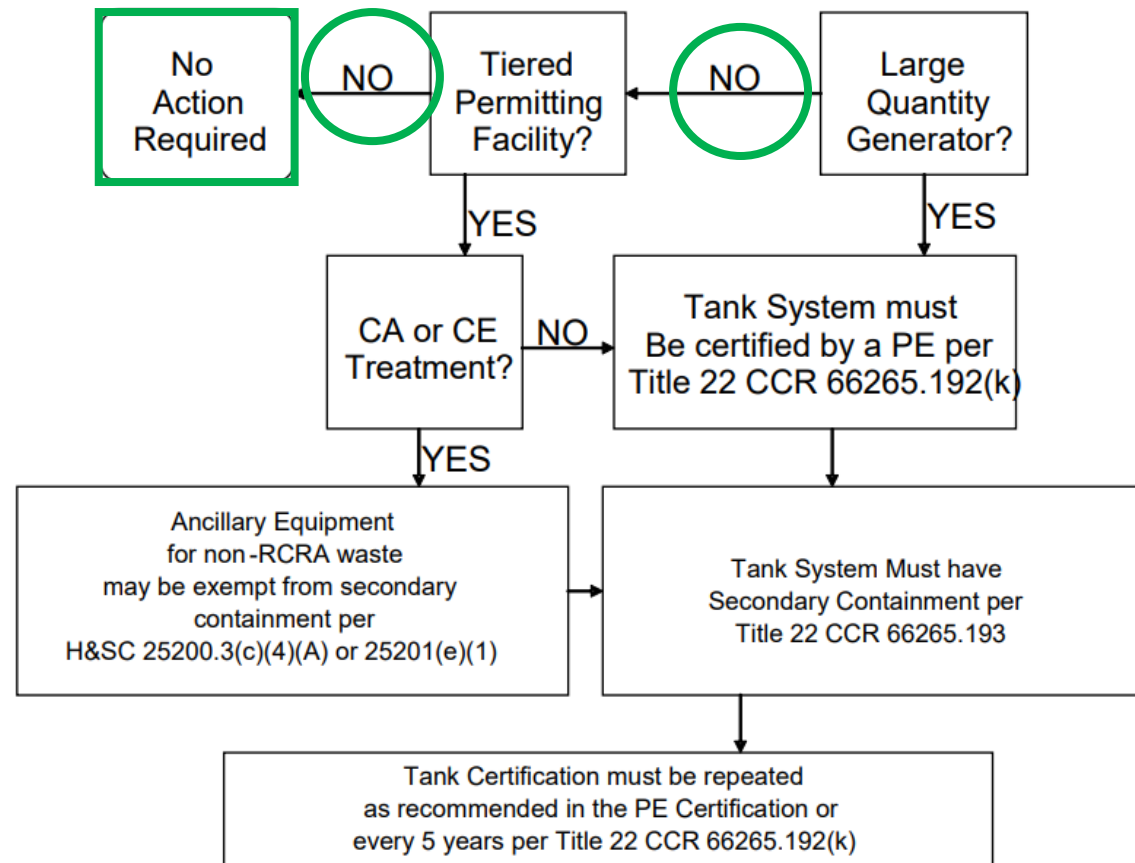
SMALL QUANTITY GENERATOR TANKS

Installation Requirements

- 1) Tank does not need Engineer's Assessment or an above ground tank (AST) Certification & Engineering Assessment Exemption Notification.
- 2) Tanks must be **compatible with the materials being held for accumulation** (shall not cause rupture, leak, corrosion, failure)
- 3) Comingling of waste shall not produce hazardous chemical reactions (66265.17)
- 4) Tank must be properly labeled [see 66262.16(b)(4)(B)] and accumulation start date written
- 5) Uncovered Tanks - At least 60 centimeters (2 feet) of freeboard
- 6) Continuous Feed - Means to stop inflow (e.g. cutoff of bypass) required

HAZARDOUS WASTE TANK SYSTEMS - SECONDARY CONTAINMENT

Hazardous Waste Tank Systems Secondary Containment Requirements



SMALL QUANTITY GENERATOR TANKS

Inspection/Management

Inspect daily -

- Discharge control equipment,
- Monitoring equipment data (e.g., pressure and temperature gauges).
- Waste level in uncovered tanks.

Inspect weekly -

- The construction materials of the tank to detect corrosion or leaking of fixtures or seams.
- The construction materials of, and the area immediately surrounding, discharge confinement structures (e.g., dikes) to detect erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).

SMALL QUANTITY GENERATOR TANKS

Inspection/Management

However...

Facilities with **Secondary containment or leak detection**, with an established (written) workplace practice, may switch to a weekly inspection schedule.

SMALL QUANTITY GENERATOR TANKS

Inspection/Management

Simple enough, right?



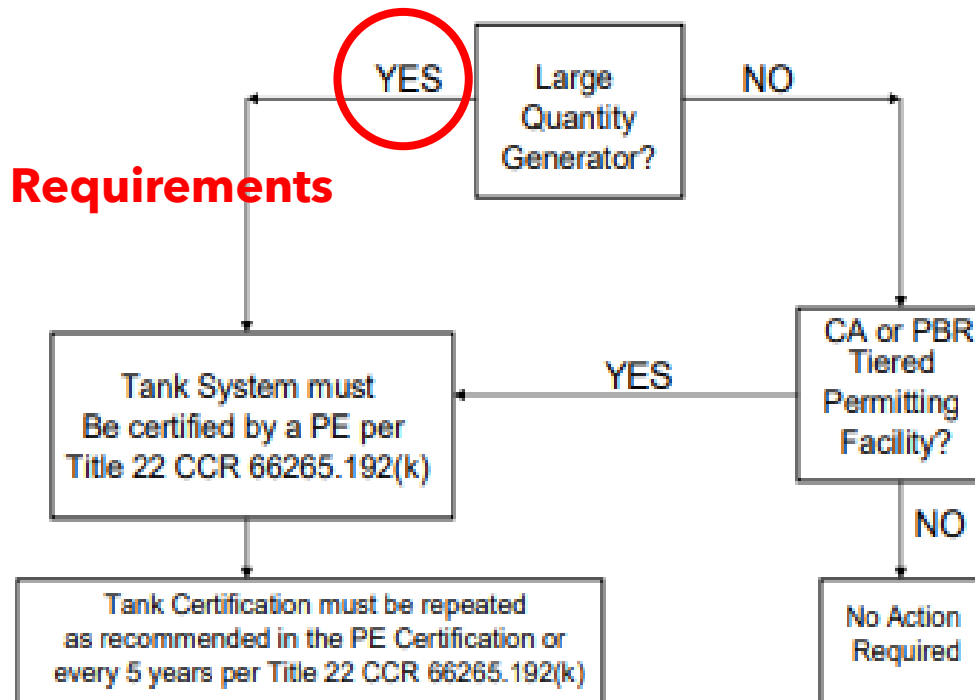
LQG HW sites are less so...

HAZARDOUS WASTE TANK SYSTEMS - SQG VS LQG

Which applies to your facility?

New Hazardous Waste Tank Systems or Components

LQG HW Tanks Requirements



LARGE QUANTITY GENERATOR TANKS

Installation Requirements – 66265.192(a)

- Follow the requirements outlined in [66265.192. Design and Installation of New Tank Systems or Components](#), which includes (subpart a):
 - 1) Ensuring **industry/design standard** are followed for installation
 - 2) Hazardous waste characteristics, and **compatibility** with containers
 - 3) Ensuring **protection from corrosion**
 - 4) **Underground components** (if applicable) are **protected** from deterioration/damage
 - 5) Foundation and **Seismic integrity** with the tank at full capacity

LARGE QUANTITY GENERATOR TANKS

Installation Requirements – 66265.192(a)

- Follow the requirements outlined in [66265.192. Design and Installation of New Tank Systems or Components](#), which includes (subpart a):
 - 6) Any **underground components** must have **backfill** that is noncorrosive and supportive
 - 7) **Tightness testing** of tank and components
 - 8) **Protection from stress** due to settlement, vibration, expansion or contraction
 - 9) **Corrosion Protection** system
 - 10) **Retain ALL Documentation related to assessment and installation**

HAZARDOUS WASTE TANK SYSTEMS - APPLICABILITY

Hazardous Waste Tank Systems Secondary Containment Requirements

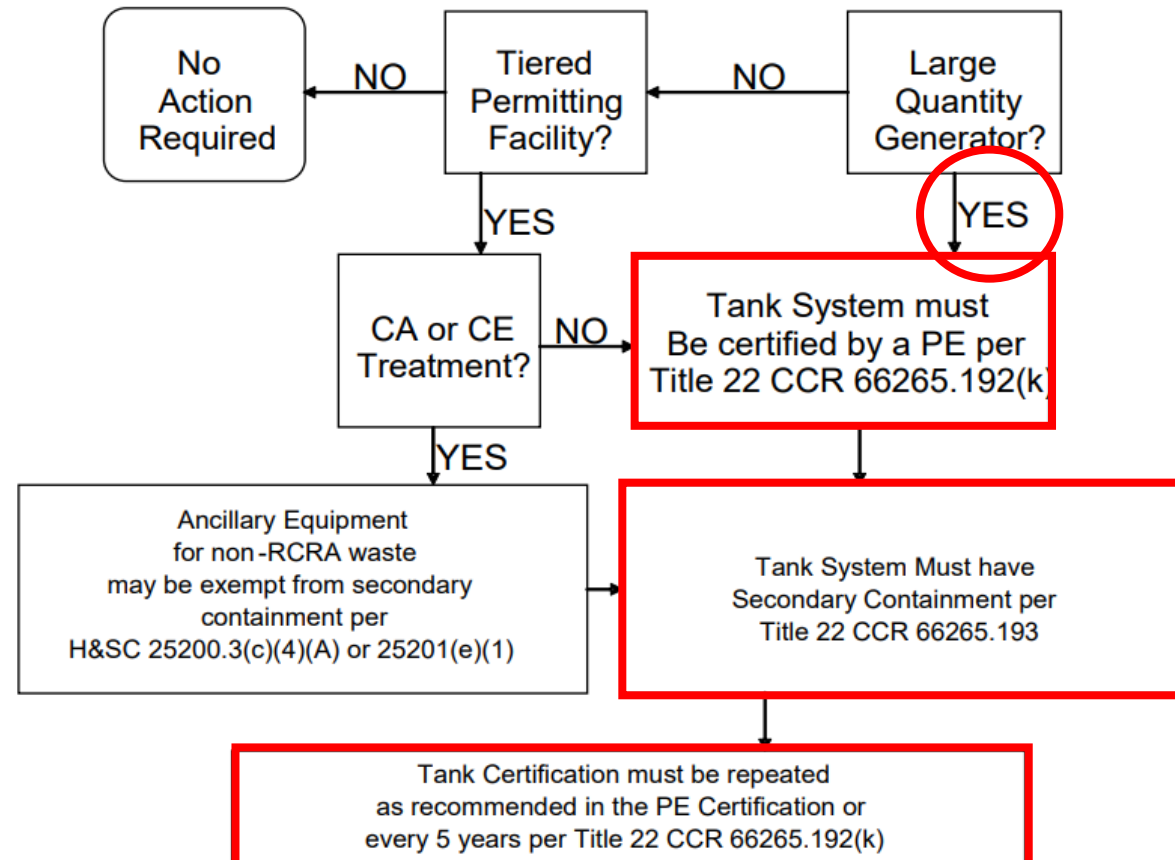


Figure 2. Hazardous Waste Secondary Containment Requirements

LARGE QUANTITY GENERATOR TANKS

Containment and Release Detection

- Secondary Containment Must comply with [CCR 66265.193 - Containment and Detection of Releases](#) and be constructed with the following in mind:
 - 1) Designed/installed/operated to **prevent release of wastes** to the environment
 - 2) Capable of **detecting releases** and containing releases until removal is complete.
 - 3) **Compatible** with the wastes
 - 4) Placed on foundation that **supports secondary containment** and prevents release to environment
 - 5) Have leak detection that will and **detect failure** of the primary and secondary containment structure or any release of hazardous waste/liquids into secondary containment **within 24 hours, or at the earliest practicable time** specified in the program/system
 - 6) Sloped or designed to **allow for drainage/removal** of wastes from containment

LARGE QUANTITY GENERATOR TANKS

Containment and Release Detection

- Secondary Containment Must comply with CCR 66265.193 – Containment and Detection of Releases and must include one or more of the following:
 - 1) A liner (external to the tank);
 - 2) A vault;
 - 3) A double-walled tank; or
 - 4) An equivalent device as approved by the Department.
- Ancillary equipment is required to have secondary containment

LARGE QUANTITY GENERATOR TANKS

Containment and Release Detection

Tank Liner

- Typically used to protect tanks from deterioration/corrosion
- Installed inside tank
- Must be compatible with waste

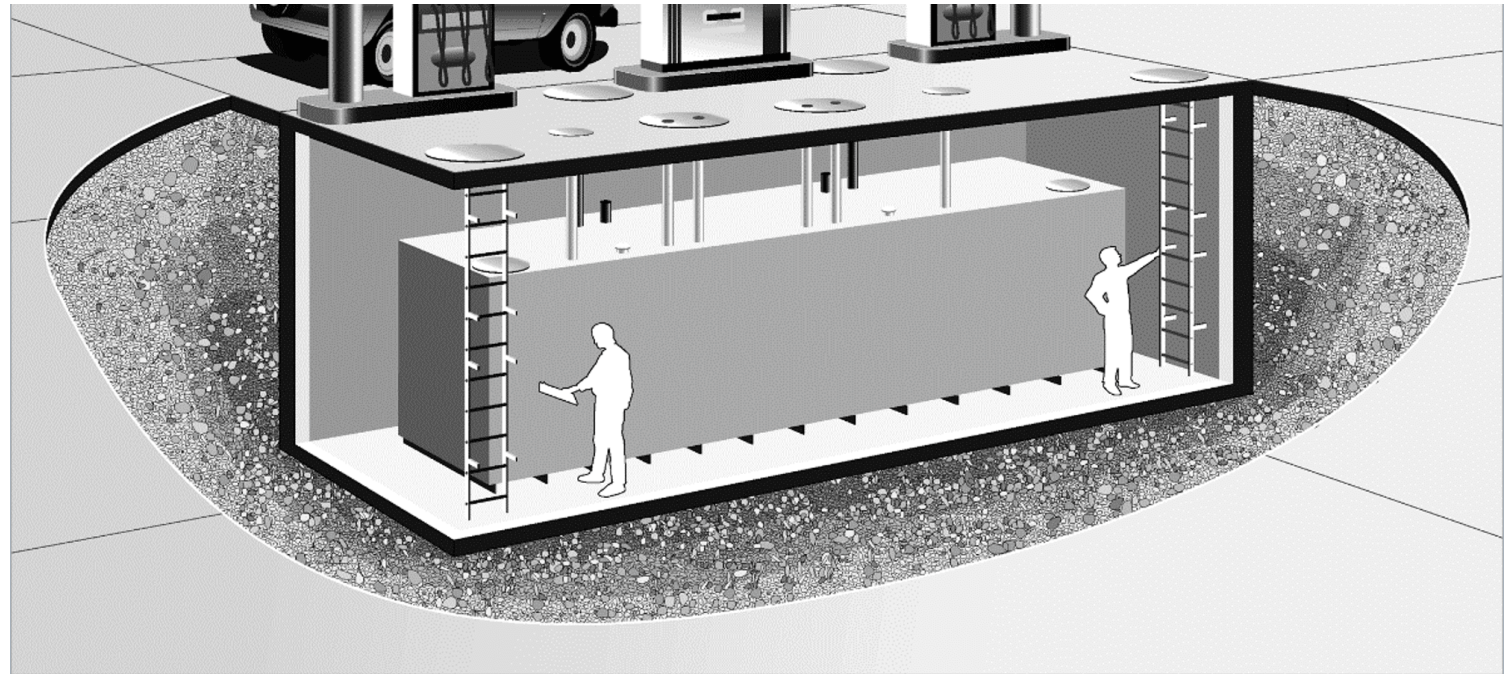


LARGE QUANTITY GENERATOR TANKS

Containment and Release Detection

Vaulted Tank

- May require confined space permit for inspecting containment
- Not a UST
- May be a TIUGA
- Underground vault acts as secondary containment
- Must be non-permeable and compatible with waste



LARGE QUANTITY GENERATOR TANKS

Containment and Release Detection

Double walled Tanks

- Most commonly observed
- Already UL listed/certified, easier to move/transport
- Interstitial space for observing/detecting releases



No wheels on
hazardous
waste tanks!!!



LARGE QUANTITY GENERATOR TANKS

Engineer Assessment - 66265.192 (b)



The assessment (per of the tank must be conducted by a **Professional Engineer that is Registered in California,** and must inspect:

- 1) weld breaks;
- 2) punctures;
- 3) scrapes of protective coatings;
- 4) cracks;
- 5) corrosion;
- 6) other structural damage or inadequate construction or installation.

All discrepancies shall be remedied before the tank system is covered, enclosed, or placed in use.

LARGE QUANTITY GENERATOR TANKS

Engineer Assessment - 66265.192 (k)



The tank assessment must include the following:

- 1) Tank configuration
- 2) Design standard and the following:
 - a) Material of construction;
 - b) Material thickness and, method for determining thickness;
 - c) Description of tank system piping (such as material, diameter);
 - d) Description of any internal and external pumps; and
 - e) Sketch or drawing of tank including dimensions.

LARGE QUANTITY GENERATOR TANKS

Engineer Assessment - 66265.192 (k)



The tank assessment must include the following:

- 3) Age of the tank system
- 4) Evaluation of leak detection
- 5) Evaluation of corrosion protection
- 6) Evaluation of any spill prevention or overfill equipment;
- 7) Description and evaluation of secondary containment for the tank system, including secondary containment for ancillary equipment (if necessary);

LARGE QUANTITY GENERATOR TANKS

Engineer Assessment - 66265.192 (k)



The tank assessment must include the following:

- 8) Hazardous characteristics of the waste(s) that have been or will be handled;
- 9) Results of the physical assessment for tank and ancillary equipment integrity
- 10) Results of the tightness test
- 11) Estimated remaining service life of the tank system

LARGE QUANTITY GENERATOR TANKS

Exempt from Assessment – 66265.192 (j)

PE tank assessment is exempt if the following conditions are met:

- 1) Tank was **installed with approval from a local agency/agencies** (In SD County, Fire Dept./Fire Marshal for ASTs).
- 2) Have **containment capable of containing 100 percent** of the contents of the tank and ancillary piping volume;
- 3) If exposed to **precipitation**, must have **sufficient capacity for 100 percent containment** of the tank & ancillary piping volume AND **contain run-on** and infiltration from a 25-year, 24-hour rainfall event (In San Diego, may be ~3.26 inches per NOAA)
- 4) Have **leak detection system/program** that will detect failure of the primary and secondary containment structure or any release of hazardous waste/liquids into secondary containment **within 24 hours**, or at the earliest practicable time specified in the program/system

LARGE QUANTITY GENERATOR TANKS

Exempt from Assessment – 66265.192 (j)

In San Diego County, HMD only grants this exemption for **Used oil and Waste Antifreeze tanks**. You may utilize the AST Waste Exemption form for LQGS

County of San Diego
DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY
HAZARDOUS MATERIALS DIVISION
5500 OVERLAND AVE, SAN DIEGO, CA 92121 (619) 594-4671 <https://sdcehq.org>

AST CERTIFICATION & ENGINEERING ASSESSMENT EXEMPTION
NOTIFICATION FOR LARGE QUANTITY GENERATORS

FACILITY INFORMATION

SITE INFORMATION
Business Name: _____ UPPF Record ID: _____
Site Address: _____ City/Zip: _____

AST INFORMATION
Tank Capacity: _____ Year Installed: _____
Tank Contents: _____ U/L Approved: ☐ YES ☐ NO
Secondary Container Type: _____ Tank ID (if applicable): _____

CERTIFICATION
I certify that the aboveground used oil/waste antifreeze tank system meets the requirements of the California Code of Regulation (CCR) for exemption from the Professional Engineering Assessment [reference Title 22 CCR section 66265.192(j)].

Owner/Operator
Signature: _____ Date: _____
Print Name: _____

The Local Fire Marshal installation, usage, and design approval are attached. OR the Local Fire Marshal has reviewed this aboveground tank system for conformance with applicable regulations.

Fire Marshal
Approval Signature: _____ Date: _____
Print Name: _____

The Hazardous Materials Division (HMD) conditionally approves the use of the used oil/waste antifreeze aboveground storage tank system as long as you comply with all of the following terms and conditions:

REQUIRED TERMS AND CONDITIONS

1. The aboveground tank, installed after July 1, 1991, must contain **used oil** (as defined in HSC section 25250.1) or **waste antifreeze** only (a non-RCRA waste) and has limited aboveground piping within containment to handle a spill or leak.
2. The local Fire Marshal approved and/or permitted the installation, usage, and design per municipal codes and the tank operator maintains documentation supporting this requirement.
3. The primary tank is surrounded with greater than 100% secondary containment.
4. If the tank system is exposed to precipitation, the secondary containment must, in addition to the requirement of item 3 above, be able to handle a 25-year, 24-hour rainfall event, with no intrusion or flooding problems. To prevent such problems, the HMD strongly advises that the tank system be completely covered following all local building and zoning requirements.
5. The facility must have a written leak detection program and **daily** inspection logs onsite as required in 22 CCR sections 66265.194-195 for review by HMD inspectors. The facility operator must ensure that appropriate controls and practices are in-place at all times to prevent spills, leaks, or overflows from occurring. The secondary containment should be kept empty and dry, except when there is a leak or a spill, at which time the secondary containment must be thoroughly cleaned out within 24 hours. The cause of a leak or spill would need to be determined and corrective actions taken (refer. 22 CCR section 66265.196).
6. The tank must be installed and maintained on a non-permeable surface, i.e., concrete (in good repair) or sealed asphalt (in good condition).
7. The facility should maintain a photocopy of this notification onsite to show to an inspector during facility inspections.

Provided you do not change the configuration, location, or content of the tank system, this exemption will be automatically renewed every three years. Before you make any future changes or modifications to the tank system, you must submit a written description of the proposed changes to the HMD 30 days before making the changes to ensure compliance with applicable regulations.

This approval does not exempt your facility from compliance with additional requirements that may be enforced by other local, state, or federal agencies with regards to storage of hazardous materials in a tank system.

HMD SEHS
Approval Signature: _____ Date: _____
Print Name: _____

REQUIRED TERMS AND CONDITIONS

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([https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/HMF-9271%20\(09-21\).pdf](https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/HMF-9271%20(09-21).pdf))

LARGE QUANTITY GENERATOR TANKS

Re-Assessment – 66265.192 (l-m)

New assessment is required every 5 years, however:

- 1) Re-assessment must be conducted prior, if a part is replaced which alters the tank system.
 - Re-assessment is not required if the following are replaced:
 - 1) pumps (same type and capacity);
 - 2) plumbing or piping components such as unions, elbows, tees and gaskets;
 - 3) valves and check valves;
 - 4) piping and valve hangers and supports;
 - Re-assessment may not be required if the replacement of a part is approved by the CUPA and it is determined to be identical or functionally equivalent by the CUPA.
 - 1) CUPA must be notified in writing (Subpart m; 1-5)

LARGE QUANTITY GENERATOR TANKS

Management of Tank Systems

- 1) Ensure waste does not cause deterioration of tank system
- 2) Ensure appropriate controls and practices are implemented to prevent spills and overflows, such as:
 - Check valves, dry discount couplings
 - Level sensing devices, high level alarms, automatic feed cutoff, or bypass to a standby tank, and
 - Sufficient freeboard in uncovered tanks
 - Comingling of waste shall not produce hazardous chemical reactions (66265.17)

LARGE QUANTITY GENERATOR TANKS

**SPILL REPORTING -
66265.196**

Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems, if a leak or spill occurs in the tank system.



***Cal* OES**
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

California Hazardous Materials Spill / Release Notification Guidance

To Report all significant releases or threatened releases of hazardous materials:

First Call:

9-1-1

(or local emergency response agency)

Then Call:

Cal OES State Warning Center
(800) 852 - 7550 or (916) 845 - 8911

LARGE QUANTITY GENERATOR TANKS

Inspection of Tank Systems

1) Inspect daily

- **Overfill/spill control equipment** to ensure that it is in good working order;
- The **tank system**, to detect **corrosion or releases** of waste
- **Monitoring equipment** data (e.g., pressure and temperature gauges).
- Waste level in uncovered tanks.
- The construction materials of the tank to **detect corrosion** or leaking of fixtures or seams.
- The construction materials of, and the area immediately surrounding, discharge **confinement structures** (e.g., dikes) to detect erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).

2) If Cathodic protection systems is present

- within six months after initial installation, and annually thereafter; and
- Sources of impressed current shall be inspected and/or tested, as appropriate, at least bimonthly

LARGE QUANTITY GENERATOR TANKS

Inspection of Tank Systems – Document

- 1) Document
- 2) DOCUMENT
- 3) DOCUMENT!!!!

HAZARDOUS WASTE TANK SYSTEM DAILY INSPECTION LOG												
(AS REQUIRED BY 22 CCR 66265.195)												
Business Name: _____						Month: _____						
Business Address: _____						Year: _____						
						Tank System ID: _____						
D A Y	Is 2 nd containment free of waste and liquid?		Is the system free of corrosion and evident damage?		Are pipes, valves and pumps free of leaks and in good condition?		Do open tanks have at least 2 ft. of free board?		Is leak detection program/ equipment working?		Inspected by	Comments
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
1												
2												
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DEH:HM-9321 (10/03)

County of San Diego, Department of Environmental Health-Hazardous Materials Division

[https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/hm-9321%20\(10-03\).pdf](https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/hm-9321%20(10-03).pdf)

LARGE QUANTITY GENERATOR TANKS

Did you get all that?



Next, let's talk about closing your tanks...

HAZARDOUS WASTE TANK SYSTEMS - CLOSURE

Did you know that...

Tank closure requirements can apply to ALL tanks. Even for Hazardous Materials?





HAZARDOUS WASTE TANK SYSTEMS - CLOSURE

When the tank/system meets the following criteria:

- **Previously held hazardous waste or hazardous materials.** [22 CCR 67383.1(a)]
- Tank system is **identified as a hazardous waste upon closure.** [22 CCR 67383.3(a)]
- Destined to be **disposed, reclaimed (i.e., recycled) or closed in place**

These regulations exempt a tank from hazardous waste labeling, manifesting and disposal if the tank is properly cleaned and managed according to the specified requirements in Chapter 32 T22. Documentation required in CERS

Otherwise, the tanks must be disposed as hazardous waste



HAZARDOUS WASTE TANK SYSTEMS - CLOSURE

When is a tank exempt from closure requirements?

A tank has legitimate value, monetary or otherwise

- The tank will be sold or inherited by another facility
 - Must still be emptied/cleaned per DOT transportation requirements (if transported).
 - Tanks are typically not certified to be transported with product
- The tank will be stored on site for future use.

However

- Tanks cannot contain any residual HM or HW (CA Empty)
 - HW generator violations will be cited if they aren't properly emptied

PRIOR TO CLEANING

Notify, per 22 CCR 67383.3 (a)(1)(A-F)

"Prior to initiating cleaning, cutting, dismantling, or excavation of a tank system, the owner or operator of the tank system shall notify the appropriate CUPA..."

- A completed [Hazardous Waste Tank Closure Notification form](https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/HMF-9704A%20(10-21).pdf) satisfies the Notification items listed in (a)(1)(A-F)
- Submit to area Inspector or HMD Duty Desk

[https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/HMF-9704A%20\(10-21\).pdf](https://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/HMF-9704A%20(10-21).pdf)



County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY

HAZARDOUS MATERIALS DIVISION

5500 OVERLAND AVE, SAN DIEGO, CA 92123 | (858) 505-6657 | <http://sdcdelhq.org>



HAZARDOUS WASTE TANK CLOSURE NOTIFICATION

This notification form is being prepared to facilitate compliance with the notification requirements pursuant to the California Code of Regulations (CCR) Title 22, section 67383.3 (a) for each tank system that meets all of the following:

- the tank system held a hazardous material or a hazardous waste and the tank system is identified as a hazardous waste.
- the tank system is destined to be disposed, reclaimed, or closed in place

This does not apply to tank systems regulated under a hazardous waste facility permit, other than permit by rule (PBR), or to tank systems regulated under a grant of interim status, nor to a tank system or any portion thereof, that meets the definition of scrap metal in 22 CCR Section 66260.10 and is excluded from regulation pursuant to 22 CCR Section 66261.6(a)(3)(B). Refer to 22 CCR Section 67383.3 and 23 CCR Section 2672 for disposal requirements for tank systems.

I. FACILITY IDENTIFICATION

Business Name:

UPFP Record ID:

Tank Owner Name:

State:

Tank Owner Address:

City/Zip:

II. TANK DESCRIPTION (ATTACH ADDITIONAL COPIES OF THIS PAGE FOR MORE THAN THREE TANKS)

	Type of Tank	Tank ID #	Size (gal)	Content	Location	Method of Closure
1	☐ AST ☐ UST					☐ Removal ☐ Closure in Place
2	☐ AST ☐ UST					☐ Removal ☐ Closure in Place
3	☐ AST ☐ UST					☐ Removal ☐ Closure in Place

The date(s) the tank system will be cleaned and/or excavated, or closed in place:

III. TANK CLOSURE CERTIFIER

Name of Person and/or Business of Certifier
(must match credentials)

Credentials of Certifier (Include copy of credentials with this notification)

- | | |
|--|--|
| ☐ Certified Industrial Hygienist (CIH) | ☐ Professional Engineer (PE) |
| ☐ Certified Safety Professional (CSP) | ☐ Class II Registered Environmental Assessor |
| ☐ Certified Marine Chemist (CMC) | ☐ Contractors' State License Board licensed contractor (with hazardous substance removal certification) |
| ☐ Registered Environmental Health Specialist (REHS) | |

IV. TANK DESTINATION

Describe the Intended Disposition and Destination of the Tank System

V. IDENTIFICATION OF THE HAZARDOUS MATERIALS OR HAZARDOUS WASTE

Select one of the following options to identify the hazardous materials or hazardous waste last held in the tank:

- ☐ **Option A:** I certify to the best of my knowledge that the identity of the material or waste last stored or accumulated in the tank(s) are as listed in Section II (Tank Description) of this notification.
- ☐ **Option B:** A chemical analysis of the residue in the tank(s) has/have been completed and the lab results are attached to this notification.

HMF-9704 A (10/2021)

SUBMIT

WHO CAN CERTIFY THE TANK?

III. TANK CLOSURE CERTIFIER

Name of Person and/or Business of Certifier
(must match credentials)

Credentials of Certifier (Include copy of credentials with this notification)

- | | |
|--|--|
| ☐ Certified Industrial Hygienist (CIH) | ☐ Professional Engineer (PE) |
| ☐ Certified Safety Professional (CSP) | ☐ Class II Registered Environmental Assessor |
| ☐ Certified Marine Chemist (CMC) | ☐ Contractors' State License Board licensed contractor (with hazardous substance removal certification) |
| ☐ Registered Environmental Health Specialist (REHS) | |

https://www.sandiego.gov/sites/default/files/sd_county_local_haulers_list.pdf

Hazardous Materials Emergency Response

The full list of registered hazardous waste transporters is on the DTSC website. It is the generators responsibility to verify they are currently registered/authorized.
<https://hwts.dtsc.ca.gov/transporters/>

US Ecology 619-235-3320 Emergency 800- 899-4672 After hours ER Meth Labs/Trauma Scene	Patriot Environmental Services 619-449-9014 Emergency 800-624-9136 After hours ER
Ocean Blue Environmental 619-294-6682 After hours ER/Meth Labs	Pacific Trans Environmental Emergency 619-441-1818 After hours ER/Meth Labs
Clean Harbors 858-547-3100 Emergency 800-645-8265 After hours ER Bio/Mercury	Advanced Chemical Transport After Hours/ER 866-348-2800 North State Environmental 24/7 650-588-2838
KVAC Environmental Rancho Cucamonga, CA 909-476-2308 After Hours ER All Services	Chempack Environmental Long Beach, CA 213-309-4962 info@chempackenvironmental.com Hazwaste Lab packing
Environmental Logistics San Diego, CA 92121 888-641-3940 After Hours ER	Harmony Environmental Emergency 888-623-4191 After hours ER Trauma/Drug Lab/Mercury
Environmental Mgmt Tech Emergency 833-660-7751 1456 S Gage Street San Bernardino CA 92408 800.579.6834 After Hours ER	EFR Environmental Services 2806 Alpine Blvd. Alpine CA Emergency 800.244.1202 619-722-6781 After Hours ER

Partial List of Certified Industrial Hygienists - NOT AN ALL-INCLUSIVE LIST

<http://www.abih.org/about-abih/public-roster>

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- **OSI**
- **City/County Fire Marshal (can be certifier)**
 - **They regulate tank closure work.**

Your inspector will not certify tanks, even if they have an REHS cert.

TANK CLEANING STANDARDS

Per 22 CCR 67383.3 (b)(c)(d)(e)

(c) **Non-sparking, cold-cutting tools** or a non-sparking cold-cutting process shall be used if the tank held a flammable/combustible materials, and is being cut onsite

May use alternate method is approved by the authorized agency.

(d) All debris and rinseate generated during the process shall be managed appropriately

Waste determination.

(e) At the completion of the cleaning process the tank system must:

Have all appurtenances free of product, sludge, rinseate and debris and be visually free of product, sludge, scale, rinseate and debris,

Except for residual staining caused by soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present.

Reminder: The facility is not required to clean the tank IF they want to manage it as HW.



AFTER CLEANING IS COMPLETED

Submit the form in CERS:

Facility Information -> Business Activities pg:

Does your facility need to report the closure/removal of a tank classified as hazardous waste and cleaned onsite?

		COUNTY OF SAN DIEGO - CUPA DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION P.O. BOX 129261, SAN DIEGO, CA 92112-9261 (858) 505-6880 FAX (858) 505-6848 http://www.sdcdeh.org						
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION								
Page ____ of ____								
I. FACILITY IDENTIFICATION								
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)		FACILITY ID #						
		3 7 0 0 0						
TANK OWNER NAME								
TANK OWNER ADDRESS								
TANK OWNER CITY		STATE	ZIP CODE					
II. TANK CLOSURE INFORMATION								
TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor			Concentration of Oxygen			
		Top	Center	Bottom	Top	Center	Bottom	
	1	745	746a	746b	746c	747a	747b	747c
	2	748	749a	749b	749c	750a	750b	750c
3	751	752a	752b	752c	753a	753b	753c	
III. CERTIFICATION								
On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.								
SIGNATURE OF CERTIFIER				STATUS OR AFFILIATION OF CERTIFYING PERSON				
NAME OF CERTIFIER (Print)				Certifier is a representative of the CUPA, authorized agency, or LIA:				
TITLE OF CERTIFIER				☐ Yes ☐ No				
ADDRESS				Name of CUPA, authorized agency, or LIA:				
CITY				If certifier is other than CUPA / LIA check appropriate box below:				
PHONE				☐ a. Certified Industrial Hygienist (CIH)				
DATE				☐ b. Certified Safety Professional (CSP)				
CERTIFICATION TIME				☐ c. Certified Marine Chemist (CMC)				
				☐ d. Registered Environmental Health Specialist (REHS)				
				☐ e. Professional Engineer (PE)				
				☐ f. Class II Registered Environmental Assessor				
				☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)				
TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS								
(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☐ Yes ☐ No								
CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC:								
A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.								