

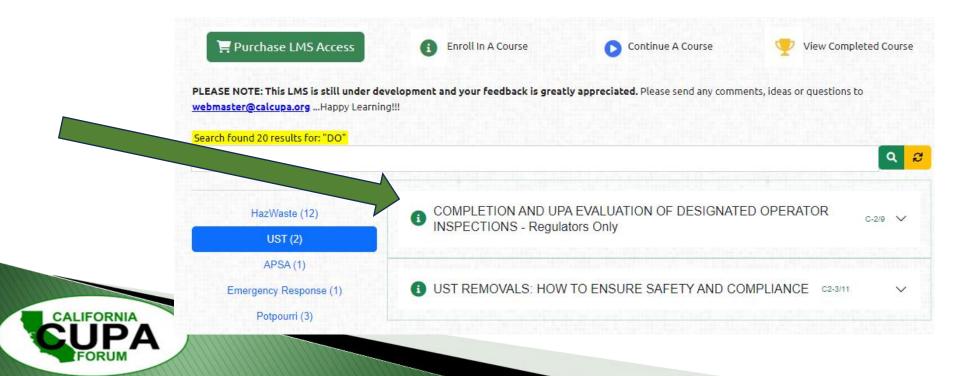
UST DESIGNATED OPERATOR AND UST INSPECTOR 2024

Brenda Puepke, Puepke Consulting LLC Angela Samayoa, Long Beach CUPA W-C4 February 28, 2024



What's New in 2024?

The previously recorded UST DO presentation is available through the LMS on CalCUPA.org



Before we dive into the FAQ; Let Us Refresh! CALIFORNIA

Who Can be a CA UST D.O.? (b) Designated UST operators shall possess a current certificate issued by the International Code Council (ICC) indicating that the individual has passed the California UST System Operator exam. The individual shall renew the ICC certification, by passing the California UST System Operator exam, every 24 months.

(c) The designated UST operator(s) shall train facility employees in the proper operation and maintenance of the underground storage tank system at least once every 12 months. For facility employees hired before October 13, 2018, the initial training shall be conducted within 30 days of the date of hire. For individuals assuming the duties of a facility employee on or after October 13, 2018, the initial training shall be conducted before the individual performs the duties of a facility employee.

(1) The training for facility employees must be conducted according to the following:

- (A) The initial training of a facility employee shall be conducted through a site-specific practical demonstration that provides both sharing information and evaluating knowledge for responding to emergencies, leak detection monitoring alarms, spills, and overfills associated with operating the UST system and must include, but is not limited to, the following:
 - The operation of the underground storage tank system in a manner consistent with the facility's best management practices.
 - (ii) The facility employee's role with regard to the monitoring equipment as specified in the facility's monitoring plan.
 - (iii) The facility employee's role with regard to spills and overfills as specified in the facility's response plan.



Who Can be a UST D.O.?

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- (iv) The name of the contact person(s) for emergencies and monitoring equipment alarms.
- (B) After the initial training of a facility employee, site-specific training must include, but is not limited to, the following:
 - (i) The operation of the underground storage tank system in a manner consistent with the facility's best management practices.
 - (ii) The facility employee's role with regard to the monitoring equipment as specified in the facility's monitoring plan.
 - (iii) The facility employee's role with regard to spills and overfills as specified in the facility's response plan.
 - (iv) The name of the contact person(s) for emergencies and monitoring equipment alarms.
- (2) At least one of the facility employees present during operating hours shall have current training in accordance with paragraph (1) above. For facilities that are not routinely staffed, the designated UST operator shall implement a facility employee training program approved by the local agency.
- (3) A list of facility employees who have been trained by the designated UST operator(s), shall be maintained on-site or off-site at a readily available location, if approved by the local agency. The list shall be provided to the local agency upon request. The list shall include the dates of training for all facility employees, and the hiring dates for all facility employees hired on or after July 1, 2005.
- (4) Notwithstanding paragraph (3) above, on and after October 1, 2018, upon completion of the facility employee training, the designated UST operator(s) shall provide a signed "Facility Employee Training Certificate," located in Appendix XII, to the owner or operator for facility employees that have received training. The certificates shall be maintained on-site or off-site at a readily accessible location, if approved by the local agency, and provided to the local agency upon request. The "Facility Employee Training Certificate" satisfies the requirements in paragraph (3), above.

What is required to be included in the **Report?**

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§ 2716. Designated UST Operator Visual Inspection

- (a) On and after October 1, 2018, all underground storage tank systems shall have a visual inspection performed by a designated UST operator at least once every 30 days in accordance with all subdivisions below.
- (b) The designated UST operator visual inspection shall identify compliance issues which cause the underground storage tank system to be out of compliance with this chapter and include, but not be limited to, all of the following:
 - Review of the previous "Designated Underground Storage Tank Operator Visual Inspection Report" to verify each compliance issue identified by the designated UST operator during the previous visual inspection required by subdivision (a) above, has a documented action taken in response;
 - (2) Review of the alarm history since the previous visual inspection required by subdivision (a) above, to verify that each alarm condition was documented and responded to appropriately;
 - (3) Review of the testing and maintenance records for the underground storage tank system to verify that all required testing and maintenance have been complete;
 - (4) Review of the facility employee training records to verify that all facility employees have been trained in accordance with section 2715(c);
 - (5) Inspect the spill container for damage and for the presence of any hazardous substance, water, or debris;
 - (6) Inspect the fill pipe for obstructions;

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What is required to he included in the **Report?**

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(7) Inspect the fill cap to verify it is securely on the fill pipe;

- (8) Inspect under-dispenser containment areas for damage and for the presence of any hazardous substance, water, or debris and check that the monitoring equipment in these areas is located in the proper position to detect a leak at the earliest possible opportunity; and
- (9) Inspect containment sumps that have had an alarm since the previous visual inspection required by subdivision (a) above, for which there is no record of a service visit. Inspect the containment sumps for damage and for the presence of any hazardous substance, water, or debris and check that the monitoring equipment in these containment sumps is located in the proper position to detect a leak at the earliest possible opportunity.
- (c) The results of the designated UST operator(s) visual inspection shall be recorded on the "Designated Underground Storage Tank Operator Visual Inspection Report" located in Appendix XIII. The report shall include, but not be limited to, all of the following:
 - A copy of documentation demonstrating action taken in response to each compliance issue identified by the designated UST operator during the previous visual inspection required by subdivision (a) above;
 - (2) A list of each compliance issue identified by the designated UST operator during the previous visual inspection, required by subdivision (a) above, for which there is no record of action taken to correct;
 - (3) A copy of the alarm history since the previous visual inspection required by subdivision (a) above;
 - (4) A copy of documentation demonstrating action taken in response to each alarm since the previous visual inspection required by subdivision (a) above;
 - (5) A list of each alarm since the previous visual inspection, required by subdivision (a) above, for which there is no documentation of the alarm condition and action taken in response;
 - (6) A list of each area inspected and whether each area inspected is acceptable or needs follow-up action taken; and
 - (7) A list of the dates for all required testing and maintenance that has occurred.

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What is required to he included in the **Report?**

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- (d) Within 48 hours of the completion of the designated UST operator visual inspection required by subdivision (a) above, the designated UST operator shall sign and provide the owner or operator with a copy of the "Designated Underground Storage Tank Operator Visual Inspection Report."
- (e) Within 48 hours of being provided a signed copy of the "Designated Underground Storage Tank Operator Visual Inspection Report," the owner or operator shall provide a description of each corrective action taken or to be taken. The description shall be provided on a copy of the "Designated Underground Storage Tank Operator Visual Inspection Report" signed

by the designated UST operator and the owner or operator shall sign and date the report, acknowledging the identified compliance issues.

(f) Owners or operators shall maintain a copy of the monthly inspection records of inspections performed before October 1, 2018 and all attachments for 12 months. On and after October 1, 2018, copies of the "Designated Underground Storage Tank Operator Visual Inspection Report" and all attachments shall be maintained for 36 months. The records shall be maintained on-site or, if approved by the local agency, off-site at a readily accessible location.

The Form

Appendix XIII Underground Storage Tank Designated UST Operator Visual Inspection Report

1. FACILITY INFORMATION			
CERS ID		Inspection Date	
Facility Name			
Facility Address	С	ity	ZIP Code
			I
2. DESIGNATED UST OPERATOR INFORMATION			
Name of Designated UST Operator		Phone	
ICC Certification		Certification Expiration	n Date
3. COMPLIANCE ISSUES			

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The Form – Page 1 cont.

4. CERTIFICATION BY DESIGNATED UST OPERATOR CONDUCTING INSPECTION

I hereby certify that the visual inspection was performed in compliance with California Code of Regulations, title 23, division 3, chapter 16, section 2716 and all information provided herein is accurate.

Designated UST Operator Signature

Date Inspection Report Provided to Owner

CERS = California Environmental Reporting System, ICC = International Code Council, ID = Identification, NA = Not Applicable, UDC = Under-Dispenser Containment, UST = Underground Storage Tank

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Underground Storage Tank Designated UST Operator Visual Inspection Report **The Form** 5. OWNER/OPERATOR DESCRIPTION OF FOLLOW-UP ACTION Number the follow up actions to correspond to appropriate compliance issues from Section 3. – Page 2 6. OWNER / OPERATOR ACKNOWLEDGEMENT OF INSPECTION RESULTS I have reviewed the results of the designated UST operator inspection report and provided a description of the action(s) taken or to be taken to correct any compliance issues discovered. Name of UST Owner / Operator (print) Date Signed UST Owner/Operator Signature 7. INSPECTION HISTORY **FACH** Has each follow-up action of Section 3 from the previous Designated UST NA Yes No Operator Inspection Report been completed appropriately? \square \Box (Attach documentation verifying appropriate service to this report.) OCUMENTATION 8. RELEASE DETECTION ALARM HISTORY Attach a copy of the alarm history report/log to this report. Yes No NA Is the monitoring system powered on and in proper operating mode? Has each alarm since the previous inspection been responded to appropriately? (Attach documentation verifying appropriate service to this report.) Have all containment sumps, that have had an alarm since the previous designated UST operator inspection report, been responded to by a gualified service technician?

All answers marked "No" must be described by the designated UST operator in Section 3.

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The Form Page 3

Underground Storage Tank Designated UST Operator Visual Inspection Report

9. UST SYSTEM INSPECTION							
List below and in Section 3 all containment sumps that have had a release detection alarm							
since the previous Designated UST Operator Inspection Report and have not been responded							
to by a qualified service technician. Containment sumps listed below require a visual							
inspection for damage, water, debris, hazardous substance, and proper sensor location.							
Is the containment sump free of damage, water, debris, and hazardous substances?							
Containment Sump ID Yes No Containment Sump ID Yes I							
Are all sensors in visually inspected containment sumps located to detect a release at							
the earliest opportunity?			-				
Is the spill containment free of damage	, wate	er, de	bris, and hazardous substances? Is the	fill pipe	e		
free of obstructions? Is fill cap securely	on the	fill p	ipe?				
Spill Containment ID	Yes	No	Spill Containment ID	Yes	No		



The Form Page 3 Cont.

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Is the UDC free of damage, water, debris	s, and	haza	ardous substances and all sensors locate	ed to	
detect a release at the earliest opportuni	ity?	🗆 N	o UDC(s) at this facility		
UDC ID	Yes	No	UDC ID	Yes	No
Mechanical float mechanisms used i	n UDC	Cs.			

All answers marked "No" must be described by the designated UST operator in Section 3.

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The Form Page 4

Underground Storage Tank Designated UST Operator Visual Inspection Report

10. TESTING AND MAINTENANCE	Yes	No	NA	Date last performed
Has monitoring system certification been completed within the past				
12 months?				
Has spill container testing been completed within the past				
12 months?				
Has overfill prevention equipment inspection been completed within				
the past 36 months?				
Has secondary containment testing been completed within the past				
36 months?				
Has tank tightness testing been completed within required				
timeframes?				
Has line tightness testing been completed within the required				
timeframes?				
Other Test / Maintenance:				
Other Test / Maintenance:				
Other Test / Maintenance:				



The Form Page 4 Cont.

11. FACILITY EMPLOYEE TRAINING	Yes	No
Have all individuals performing facility employee duties received the required facility		
employee training within the past 12 months?		
13. COMMENTS		
This section may be used to record comments or observations that are not current compliant deficiencies.	ce	

All answers marked "No" must be described by the designated UST operator in Section 3.

Frequently Asked Questions - ANSWERED

The 2024 Presentation picks up where the original left off by gathering questions from throughout the state and answering them for you!

> *** Any time "the law" is used in the presentation it is to be assumed that the appropriate law, statute or regulation is being referred to. This presentation is relying on current regulation, statute, and published SWRCB opinions. ***



FREQUENTLY ASKED QUESTIONS

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How important is it for the D.O. to include the CERS number on the form?

Appendix XIII Underground Storage Tank Designated UST Operator Visual Inspection Report

1. FACILITY INFORMATION				
CERS ID		Inspection Date		
Facility Lame				
Facility Address	С	ity	ZIP Code	
2. DESIGNATED UST OPERATOR INFORM	ATION		I	
Name of Designated UST Operator		Phone		
CC Certification Expiration Date		piration Date		
3. COMPLIANCE ISSUES				



Can a D.O. also be the UST Site Rep/Owner Signer (if they work for site and are a D.O.)? Or does it have to be two separate people? Regs?

6. OWNER / OPERATOR ACKNOWLEDGEMENT OF INSPECTION RESULTS

	ignated UST operator inspection report and provided a objection be taken to correct any compliance issues discovered.
Name of UST Owner / Operator (print)	

UST Owner/Operator Signature	Date Signed



What response do THEY want when UST owners do not PRINT, SIGN, Date (all three!) Section 6 nor list follow-up actions/acknowledgement in Section 5 for items in Section 3.

What about if owner's signature but not print (can't truly identify the signer) or date (I consider it insufficient without all three).

6. OWNER / OPERATOR ACKNOWLEDGEMENT OF INSPECTION RESULTS

I have reviewed the results of the designated UST operator inspection report and provided a description of the action(s) taken or to be taken to correct any compliance issues discovered.

Name of UST Owner / Operator (print)

UST Owner/Operator Signature	Date Signed



D.O. says alarm responded to, but not ATTACHING responses (work order, alarm log, etc.) to sensor alarms during period since last D.O. Inspection (be it work order or alarm log) and not listing it as missing/owner needs to provide. Can't be both. Better training needed and/or what response does water board want us to do (I write them up).

8. RELEASE DETECTION ALARM HISTORY			
Attach a copy of the alarm history report/log to this report.	Yes	No	NA
Is the monitoring system powered on and in proper operating mode?			
Has each alarm since the previous inspection been responded to appropriately? (Attach documentation verifying appropriate service to this report.)			
Have all containment sumps, that have had an alarm since the previous designated UST operator inspection report, been responded to by a qualified service technician?			

All answers marked "No" must be described by the designated UST operator in Section 3.

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Which Alarms should be included?

What's required by the applicable law? CA UST Designated Operator interpretation Agency CA UST ICC Inspector interpretation

(2) Review of the alarm history since the previous visual inspection required by subdivision (a) above, to verify that each alarm condition was documented and responded to appropriately;



Which Alarms should be included?

	IN-TANK ALARM
	T 3:SUPER
ALARM HISTORY REPORT	OVERFILL ALARM JUL 26, 2021 8:11 AM
T 1:REGULAR 1 OVERFILL ALARM	INVALID FUEL LEVEL APR 6, 2023 8:40 AM APR 3, 2023 8:38 AM FEB 15, 2023 9:36 AM
T I:REGULAR 1 OVERFILL ALARM JUL 26. 2021 8:14 AM LOW PRODUCT ALARM AUG 29. 2023 6:14 PM APR 2. 2023 10:50 PM MAPR 28. 2022 4:06 PM	PROBE OUT JUL 26, 2021 8:12 AM JUL 26, 2021 8:07 AM
MAR 28, 2023 4:06 PM PROBE OUT JUL 26, 2021 8:15 AM JUL 26, 2021 8:09 AM	DELIVERY NEEDED FEB 10, 2024 6:04 PM JAN 26, 2024 10:51 AM JAN 17, 2024 5:54 PM
DELIVERY NEEDED FEB 21. 2024 11:58 AM FEB 11. 2024 5:57 PM FEB 3. 2024 7:50 PM	ALARM HISTORY REPORT SENSOR ALARM L 1:87 FILL PIPING SUMP FUEL ALARM FEB 20, 2024 6:23 PM
	FUEL ALARM FEB 6, 2024 4:46 AM
	FUEL ALARM FEB 5, 2024 5:20 AM

ALARM HISTORY REPORT ANK ALARM -----ALARM HISTORY REPORT ALARM ----- SENSOR ALARM -----L 4:87 SIPHON FILL 021 8:11 AM PIPING SUMP UEL LEVEL FUEL ALARM FEB 20. 2024 10:17 PM 023 8:40 AM 1238:38 AM FUEL ALARM 023 9:36 AM FEB 20, 2024 5:37 AM 121 8:12 AM FUEL ALARM 121 FEB 5, 2024 6:49 PM 8:07 AM **EEDED** 24 6:04 PM 24 10:51 AM 24 5:54 PM ALARM HISTORY REPORT ----- SENSOR ALARM -----L 5:87 STP SUMP STP SUMP STORY REPORT FUEL ALARM JAN 25, 2024 10:35 AM SOR ALARM -----LL FUEL ALARM JMP. JAN 5, 2023 11:57 AM 112 2024 6:23 PM FUEL ALARM JAN 12, 2022 8:42 AM 11 2024 4:46 AM M



How much documentation is enough?

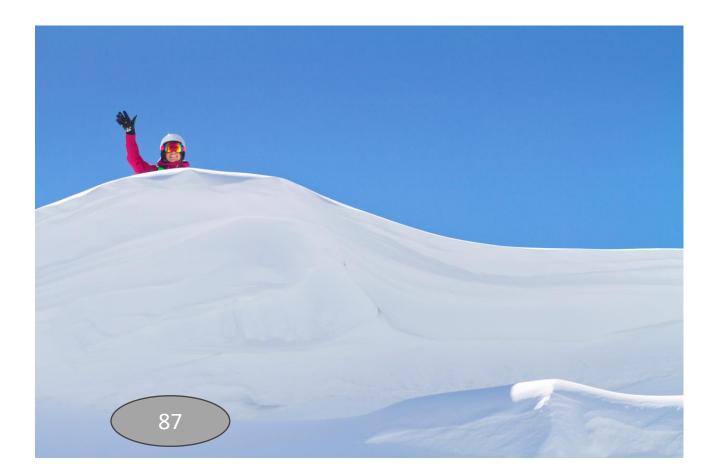
8. RELEASE DETECTION ALARM HISTORY			
Attach a copy of the alarm history report/log to this report.	Yes	No	NA
Is the monitoring system powered on and in proper operating mode?			
Has each alarm since the previous inspection been responded to appropriately? (Attach documentation verifying appropriate service to this report.)			
Have all containment sumps, that have had an alarm since the previous designated UST operator inspection report, been responded to by a qualified service technician?			

All answers marked "No" must be described by the designated UST operator in Section 3.

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My Team is interested in hearing DO perspectives on inclement weather issues. We have UST systems in the mountains that operate under some pretty rugged weather conditions that make DO inspections difficult.





How should a DO document inability to check spill containers due to being buried in (sometimes feet) of snow/ice? What should the inspector do?





Some DO's indiscriminately answer "Yes" to all questions in section 8. Release Detection Alarm History when the site has no issues. Many times the correct answer is N/A.

8. RELEASE DETECTION ALARM HISTORY							
Attach a copy of the alarm history report/log to this report.	Yes	No	NA				
Is the monitoring system powered on and in proper operating mode?							
Has each alarm since the previous inspection been responded to appropriately? (Attach documentation verifying appropriate service to this report.)							
Have all containment sumps, that have had an alarm since the previous designated UST operator inspection report, been responded to by a qualified service technician?							

All answers marked "No" must be described by the designated UST operator in Section 3.

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Touching on recommendations for liquid alarms in sumps buried under feet of snow. We tell the facility that they have to keep the tank pad clear with the snowcat all winter long, but they often slip on this making the DO's job difficult.

Let's talk about access to inspect.



Do DO's check sumps and UDCs as part of monthly inspection?

List below and in Section 3 all containment sumps that have had a release detection alarm										
since the previous Designated UST Operator Inspection Report and have not been responded										
to by a qualified service technician. Containment sumps listed below require a visual										
inspection for damage, water, debris, hazardous substance, and proper sensor location.										
Is the containment sump free of damage, water, debris, and hazardous substances?										
Yes	No	Containment Sump ID	Yes	No						
tainm	ent s	umps located to detect a release at								
Is the spill containment free of damage, water, debris, and hazardous substances? Is the fill pipe										
free of obstructions? Is fill cap securely on the fill pipe?										
Yes	No	Spill Containment ID	Yes	No						
s, and	haza	ardous substances and all sensors locat	ed to							
detect a release at the earliest opportunity? I No UDC(s) at this facility										
-										
Yes	No	UDC ID	Yes	No						
Yes	No		Yes							
Yes	No		Yes							
	perate Contai hazar ge, wa Yes tainm tainm y, wate on the Yes	perator Ins Containment hazardous ge, water, d Yes No Yes No tainment s water, del on the fill po Yes No S, and haza	perator Inspection Report and have not been recontainment sumps listed below require a visual hazardous substance, and proper sensor locatinge, water, debris, and hazardous substances? Yes No Containment Sump ID Image: Sump Inspection Report and proper sensor locatinge, water, debris, and hazardous substances? Yes No Containment Sump ID Image: Report and proper sensor locatinge, water, debris, and hazardous substances? tainment sumps located to detect a release at water, debris, and hazardous substances? Is the on the fill pipe? Yes No Spill Containment ID Image: Sensor Substances and all sensors located to the sensor substances and all sensors located to the sensor substances and all sensor sensor sensor located to the sensor senso	perator Inspection Report and have not been responded to the sumps listed below require a visual hazardous substance, and proper sensor location. perator location substances? Yes No Containment Sump ID Yes Image: Substance sensor location substances? Yes Image: Substance sensor location sensor location sensor location sensor located located to detect a release at sensor located located to detect a release at sensor located locate sensor located located located located locate sensor located located located locate sensor located located located locate sensor located located locate sensor located locate loc						

All answers marked "No" must be described by the designated UST operator in Section 3.

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If a DO inspector is not doing all that they are required to per regulation/statue/form, how can the CUPA obtain compliance?

"The designated operator inspection report is incomplete and inaccurate to site conditions and requirements" –A.Samayoa



PLLD alarms - are they required to be reviewed and addressed in the DO Reports? I have run into multiple reports from DOs where they do not even print the PLLDs, yet alone address them. To my understanding, I thought that the entire Alarm History is required to be reviewed, thus that would include PLLD alarms. Even during MCs, the service tech won't print the PLLD alarms and have told me that most inspectors do not require it.

(2) Review of the alarm history since the previous visual inspection required by subdivision (a) above, to verify that each alarm condition was documented and responded to appropriately;



Where should the UST DO document anything special or different that the form does not include like SW, VPH, Cathodic etc.

13. COMMENTS

This section may be used to record comments or observations that are not current compliance deficiencies.



What happened to #12?!

11. FACILITY EMPLOYEE TRAINING	Yes	No			
Have all individuals performing facility employee duties received the required facility					
employee training within the past 12 months?					
13. COMMENTS					
This section may be used to record comments or observations that are not current compliance					

deficiencies.

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Does the inspection date and date on alarm history for that inspection have to be the same?





When the owner claims not to know ... is that a training issue then?

IV. CERTIFICATION BY DESIGNATED UST OPERATOR CONDUCTING THIS TRAINING

The facility employees listed above have completed the required training in accordance with California Code of Regulations, Title 23, Division 3, Chapter 16, Section 2715(c) and all the information provide herein is accurate.

Training Designated UST Operator Signature

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Date of Training

III. FACILITY EMPLOYEE INFORMATION

Individuals assuming the duties of the facility employee before October 13, 2018 must be trained within 30 days of performing facility employee duties. Individuals assuming the duties of the facility employee on and after October 13, 2018 must be trained before performing facility employee duties.

□ Check this box if a list of the individual(s) trained is appended to this form. The appended list at a minimum must contain all of the information in this section.

Name of Individual(s) Trained	Initial Training Date	Date of Assuming Responsibility as a Facility Employee

Please describe a best management practice for UST DO Training

"Best Management" is in regulation... Let's discuss what that can be.



Any Questions?

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