



**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
MONITORING PLAN – (Page 1 of 2)**

TYPE OF ACTION	<input type="checkbox"/> 1. NEW PLAN	<input type="checkbox"/> 2. CHANGE OF INFORMATION	490-1
PLAN TYPE	<input type="checkbox"/> 1. MONITORING IS IDENTICAL FOR ALL USTs AT THIS FACILITY.		490-2
(Check one item only)	<input type="checkbox"/> 2. THIS PLAN COVERS ONLY THE FOLLOWING UST SYSTEM(S): _____		

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only)															1	
BUSINESS NAME (Same as FACILITY NAME)															3.	
BUSINESS SITE ADDRESS																104.

II. EQUIPMENT TESTING AND PREVENTIVE MAINTENANCE

Testing, preventive maintenance, and calibration of monitoring equipment (e.g., sensors, probes, line leak detectors, etc.) must be performed at the frequency specified by the equipment manufacturers' instructions, or annually, whichever is more frequent, and that such work must be performed by qualified personnel. (23 CCR §2632, 2634, 2638, 2641)

MONITORING EQUIPMENT IS SERVICED	<input type="checkbox"/> 1. ANNUALLY	<input type="checkbox"/> 99. OTHER (Specify): _____	490-3a 490-3b
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III. MONITORING LOCATIONS

<input type="checkbox"/> 1. NEW SITE PLOT PLAN/MAP SUBMITTED WITH THIS PLAN.	<input type="checkbox"/> 2. SITE PLOT PLAN/MAP PREVIOUSLY SUBMITTED. (23 CCR §2632, 2634)	490-4
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IV. TANK MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S):

<input type="checkbox"/> 1. CONTINUOUS ELECTRONIC TANK MONITORING OF ANNULAR (INTERSTITIAL) SPACE(S) OR SECONDARY CONTAINMENT VAULT(S) WITH AUDIBLE AND VISUAL ALARMS. (23 CCR §2632, 2634)	490-5
SECONDARY CONTAINMENT IS: <input type="checkbox"/> a. DRY <input type="checkbox"/> b. LIQUID FILLED <input type="checkbox"/> c. PRESSURIZED <input type="checkbox"/> d. UNDER VACUUM	490-6
PANEL MANUFACTURER: _____	490-7
MODEL #: _____	490-8
LEAK SENSOR MANUFACTURER: _____	490-9
MODEL #(S): _____	490-10
<input type="checkbox"/> 2. AUTOMATIC TANK GAUGING (ATG) SYSTEM USED TO MONITOR SINGLE WALL TANK(S). (23 CCR §2643)	490-11
PANEL MANUFACTURER: _____	490-12
MODEL #: _____	490-13
IN-TANK PROBE MANUFACTURER: _____	490-14
MODEL #(S): _____	490-15
LEAK TEST FREQUENCY: <input type="checkbox"/> a. CONTINUOUS <input type="checkbox"/> b. DAILY/NIGHTLY <input type="checkbox"/> c. WEEKLY	490-16
<input type="checkbox"/> d. MONTHLY <input type="checkbox"/> e. OTHER (Specify): _____	490-17
PROGRAMMED TESTS: <input type="checkbox"/> a. 0.1 g.p.h. <input type="checkbox"/> b. 0.2 g.p.h. <input type="checkbox"/> c. OTHER (Specify): _____	490-18 490-19
<input type="checkbox"/> 3. MONTHLY STATISTICAL INVENTORY RECONCILIATION (23 CCR §2646.1):	490-20
<input type="checkbox"/> 4. WEEKLY MANUAL TANK GAUGING (MTG) (23 CCR §2645). TESTING PERIOD: <input type="checkbox"/> a. 36 HOURS <input type="checkbox"/> b. 60 HOURS	490-21 490-22
<input type="checkbox"/> 5. TANK INTEGRITY TESTING (23 CCR §2643.1):	490-23
TEST FREQUENCY: <input type="checkbox"/> a. ANNUALLY <input type="checkbox"/> b. BIENNIALLY <input type="checkbox"/> c. OTHER (Specify): _____	490-24 490-25
<input type="checkbox"/> 99. OTHER (Specify): _____	490-26 490-27

V. PIPE MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S) (Check all that apply)

<input type="checkbox"/> 1. CONTINUOUS MONITORING OF PIPE/PIPING SUMP(S) AND OTHER SECONDARY CONTAINMENT WITH AUDIBLE AND VISUAL ALARMS. (23 CCR §2636)	490-28
SECONDARY CONTAINMENT IS: <input type="checkbox"/> a. DRY <input type="checkbox"/> b. LIQUID FILLED <input type="checkbox"/> c. PRESSURIZED <input type="checkbox"/> d. UNDER VACUUM	490-29
PANEL MANUFACTURER: _____	490-30
MODEL #: _____	490-31
LEAK SENSOR MANUFACTURER: _____	490-32
MODEL #(S): _____	490-33
PIPING LEAK ALARM TRIGGERS AUTOMATIC PUMP (i.e., TURBINE) SHUTDOWN. <input type="checkbox"/> a. YES <input type="checkbox"/> b. NO	490-34
FAILURE/DISCONNECTION OF THE MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN. <input type="checkbox"/> a. YES <input type="checkbox"/> b. NO	490-35
<input type="checkbox"/> 2. MECHANICAL LINE LEAK DETECTOR (MLLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS AND RESTRICTS OR SHUTS OFF PRODUCT FLOW WHEN A LEAK IS DETECTED (23 CCR §2636)	490-36
MLLD MANUFACTURER(S): _____	490-37
MODEL #(S): _____	490-38
<input type="checkbox"/> 3. ELECTRONIC LINE LEAK DETECTOR (ELLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS (23 CCR §2636)	490-39
ELLD MANUFACTURER(S) _____	490-40
MODEL #(S): _____	490-41
PROGRAMMED IN LINE LEAK TEST: <input type="checkbox"/> 1. MINIMUM MONTHLY 0.2 g.p.h. <input type="checkbox"/> 2. MINIMUM ANNUAL 0.1 g.p.h.	490-42
ELLD DETECTION OF A PIPING LEAK TRIGGERS AUTOMATIC PUMP SHUTDOWN. <input type="checkbox"/> a. YES <input type="checkbox"/> b. NO	490-43
ELLD FAILURE/DISCONNECTION TRIGGERS AUTOMATIC PUMP SHUTDOWN. <input type="checkbox"/> a. YES <input type="checkbox"/> b. NO	490-44
<input type="checkbox"/> 4. PIPE INTEGRITY TESTING 490-45	490-46
TEST FREQUENCY <input type="checkbox"/> a. ANNUALLY <input type="checkbox"/> b. EVERY 3 YEARS <input type="checkbox"/> c. OTHER (Specify) _____	490-47
<input type="checkbox"/> 5. VISUAL PIPE MONITORING.	490-48
FREQUENCY <input type="checkbox"/> a. DAILY <input type="checkbox"/> b. WEEKLY <input type="checkbox"/> c. MIN. MONTHLY & EACH TIME SYSTEM OPERATED*	490-49
* Allowed for monitoring of unburied emergency generator fuel piping only per HSC §25281.5(b)(3)	
<input type="checkbox"/> 6. SUCTION PIPING MEETS EXEMPTION CRITERIA [23 CCR §2636(a)(3)].	490-50
<input type="checkbox"/> 7. NO REGULATED PIPING PER HEALTH AND SAFETY CODE, DIVISION 20, CHAPTER 6.7 IS CONNECTED TO THE TANK SYSTEM	490-51
<input type="checkbox"/> 99. OTHER (Specify) _____	490-52 490-53



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VI. UNDER DISPENSER CONTAINMENT (UDC) MONITORING

1. UDC MONITORING IS PERFORMED USING THE FOLLOWING METHOD

490-54a
490-54b

1. CONTINUOUS ELECTRONIC MONITORING 2. FLOAT AND CHAIN ASSEMBLY 3. ELECTRONIC STAND-ALONE
 4. NO DISPENSERS 99. OTHER (Specify):

PANEL MANUFACTURER: 490-55 MODEL #: 490-56.

LEAK SENSOR MANUFACTURER: 490-57 MODEL #(S): 490-58

DETECTION OF A LEAK INTO THE UDC TRIGGERS AUDIBLE AND VISUAL ALARMS a. YES b. NO 490-59

UDC LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN a. YES b. NO 490-60.

FAILURE / DISCONNECTION OF UDC MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN. a. YES b. NO 490-61

UDC MONITORING STOPS THE FLOW OF PRODUCT AT THE DISPENSER. a. YES b. NO 490-62

2. UDC CONSTRUCTION IS 1. SINGLE-WALLED 2. DOUBLE-WALLED 490-63

IF DOUBLE WALLED: 490-64a

UDC INTERSTITIAL SPACE IS MONITORED BY: 1. LIQUID 2. PRESSURE 3. VACUUM

A LEAK WITHIN THE SECONDARY CONTAINMENT OF THE UDC TRIGGERS AUDIBLE AND VISUAL ALARMS a. YES b. NO 490-64b

VII. PERIODIC SYSTEM TESTING

1. **ELD TESTING:** THIS FACILITY HAS BEEN NOTIFIED BY THE STATE WATER RESOURCES CONTROL BOARD THAT ENHANCED LEAK DETECTION (ELD) MUST BE PERFORMED. PERIODIC ELD IS PERFORMED EVERY 36 MONTHS AS REQUIRED. (23 CCR §2644.1) 490-65.

2. **SECONDARY CONTAINMENT COMPONENTS ARE TESTED EVERY 36 MONTHS.** 490-66

3. **SPILL BUCKETS ARE TESTED ANNUALLY.** 490-67

VIII. RECORDKEEPING

The following monitoring/maintenance records are kept for this facility:

- | | | |
|---|--|--|
| <input type="checkbox"/> Alarm logs 490-68a | <input type="checkbox"/> Visual Inspection Records 490-68b | <input type="checkbox"/> Tank integrity testing results 490-68c |
| <input type="checkbox"/> SIR testing results (and supporting documentation records). 490-68d | <input type="checkbox"/> Tank gauging results (and supporting documentation records). 490-68e | |
| <input type="checkbox"/> ATG Testing results (and supporting documentation records). 490-68f | <input type="checkbox"/> Corrosion Protection 60-day logs 490-68g | |
| <input type="checkbox"/> Equipment maintenance and calibration records. 490-68h | | |

IX. TRAINING

Personnel with UST monitoring responsibilities are familiar with all of the following documents relevant to their job duties. 490-69a

REFERENCE DOCUMENTS MAINTAINED AT FACILITY (Check all that apply)

- THIS UNDERGROUND STORAGE TANK MONITORING PLAN (Required) 490-69b
- OPERATING MANUALS FOR ELECTRONIC MONITORING EQUIPMENT (Required) 490-69c
- CALIFORNIA UNDERGROUND STORAGE TANK REGULATIONS 490-69d
- CALIFORNIA UNDERGROUND STORAGE TANK LAW 490-69e
- STATE WATER RESOURCES CONTROL BOARD (SWRCB) PUBLICATION: "HANDBOOK FOR TANK OWNERS - MANUAL AND STATISTICAL INVENTORY RECONCILIATION" 490-69f
- SWRCB PUBLICATION: "UNDERSTANDING AUTOMATIC TANK GAUGING SYSTEMS" 490-69g
- OTHER (Specify): M69h, M69i

This facility has a "Designated UST Operator" who has passed the California UST System Operator Exam administered by the International Code Council (ICC). The "Designated UST Operator" will train facility employees in the proper operation and maintenance of the UST systems annually, and within 30 days of hire. This training will include, but is not limited to, the following:

- Operation of the UST systems in a manner consistent with the facility's best management practices
- The facility employee's role with regard to the monitoring equipment as specified in this UST Monitoring Plan
- The facility employee's role with regard to spills and overfills as specified in the UST Response Plan
- Names of contact person(s) for emergencies and monitoring alarms.

490-70

X. COMMENTS/ADDITIONAL INFORMATION

Provide additional comments here or indicate how many pages with additional information on specific monitoring procedures are attached to this plan. 490-71

XI. PERSONNEL RESPONSIBILITIES

The UST Owner/Operator is responsible for ensuring that: 1) the daily/routine UST monitoring activities and maintenance of UST leak detection equipment covered by this plan occurs, 2) all conditions that indicate a possible release are investigated, and 3) all monitoring records are maintained properly.

The following person(s) are responsible for performing the monitoring and equipment maintenance:

NAME	490-72	TITLE	490-73
NAME	490-74	TITLE	490-75

The Designated Operator shall perform a monthly visual inspection of the facility, provide a report to the owner/operator, and inform the owner/operator of any conditions that need follow-up action.

XII. OWNER/OPERATOR SIGNATURE

CERTIFICATION: I certify that the information provided herein is true and accurate to the best of my knowledge.

APPLICANT SIGNATURE	490-76	DATE:	490-77
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APPLICANT NAME (print):	490-78	APPLICANT TITLE:	490-79
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