UNDERGROUND STORAGE TANKS Arizona Department of Environmental Quality



UNDERGROUND STORAGE TANK PERMANENT CLOSURE ASSESSMENT REPORT FORM For Permanent Closure or Change-in-Service

Waste Programs Division UST Coordination Unit 1110 West Washington Street, Phoenix, Arizona 85007 <u>www.azdeq.gov</u> (602) 771-4303 ◆ 1-800-234-5677 Revised: November 2009

UNDERGROUND STORAGE TANK (UST) PERMANENT CLOSURE ASSESSMENT REPORT FORM

1.	FACILITY NAME: _			FACILITY ID No					
2a	. ADEQ Closure No								
3.	LOCATION OF TAN	4. OWNERSHIP OF TANK(S) Owner Name							
	Street Address (P.O. Box NOT acceptable)								
	City State Zip Code		Contact Person		Job Title				
	County			Mailing Addres	ss				
	Legal Location (Townshi Quarter, Quarter)	City		State	Zip Code				
	(, <u></u> , <u>.</u>			Telephone Nur	nber (inc	lude area co	de)		

5. CONTRACTOR, LABORATORY AND CONSULTANT INFORMATION

Contractor	Phone No.:
Certified Individual	ADEQ Certification No.:
ROC License No.	Type of License: A B-1 B-2 L-57 L-5 Other
Laboratory Name	ADHS License No.:
Laboratory Contact Name	Contact Phone No.:
Consultant Name	Contact Phone No.:

6. SITE INFORMATION

- b. Number of tanks being closed or undergoing a CIS:
- c. Will new tanks be installed? □ Yes □ No If yes, how many:_____ When?_____
- d. Depth to groundwater (if known): Source: _____ Date: _____

7. SITE PREPARATION

- a. Date and time tank(s) emptied of all product and accumulated sludge: Date: _____ Time: _____
- b. Date and time of inerting or purging: Date: _____ Time: _____
- c. Method of inerting or purging: _____
- d. Date of closure or change-in-service: Date: _____

8. INERT SOLID MATERIAL USED TO CLOSE TANK IN-PLACE

 \Box Not Applicable - Tank(s) Excavated \Box Not Applicable – Change In Service (CIS)

 \Box Sand \Box Foam \Box Concrete \Box Other:_____

9. DIMENSION OF TANK EXCAVATION(S) (measurements in feet)

□ Not Applicable - CIS or in-place closure

Excavation I	Excavation II					
Length Width Depth	Length Width Depth					
Excavation III	Excavation IV					
Length Width Depth	Length Width Depth					

10. TANK INFORMATION

Table I - Tank(s) undergoing permanent closure

Tank ID No.	Size (gallons)	Material of Construction	Contents Stored	Holes in Tank (yes or no)	Holes in Piping (yes or no)	Proposed unregulated * substance

* Complete only if the tank is undergoing a CIS

11. VISUAL EXCAVATION ASSESSMENT

Did the following conditions exist at the excavation site:

Stained Soil:	\Box Yes \Box No	Water in Excavation	\Box Yes \Box No
Petroleum Odor in Soil:	🗆 Yes 🗆 No	Sheen or Free Product on Water:	\Box Yes \Box No
Free Product in Excavation:	🗆 Yes 🗆 No	Evidence of Spill and/or Overfill:	\Box Yes \Box No

NOTE: If at any time during the closure or CIS activity, contamination is discovered or believed to have existed, ADEQ must be notified within twenty-four (24) hours of discovery. The release or suspected release should be reported by calling the ADEQ call line at 1-800-234-5677, extension 771-4303.

12. SOIL INVESTIGATION PROCEDURES

NOTE: Ensure that all soil sampling equipment has been decontaminated prior to sampling.

a. Were all soil samples collected by pushing or driving clean sleeves, constructed of an inert material, into the soil contained in the backhoe or trackhoe bucket per the Sampling Guidelines in the *Underground Storage Tank Permanent Closure Guidance Document*? Yes No

If no, describe why not and alternative mode used: _____

- b. Describe how sleeves were sealed and labeled:
- c. Were all soil samples preserved at approximately 4 degrees Centigrade prior to delivery to the laboratory?

 \Box Yes \Box No

d. Do field investigations indicate contamination? □ Yes □ No
 If yes, what was the methodology used and where were the hot spots located? ______

e. Estimated volume of excavated soil (cubic yards): _____

- NOTE: Excavated soil should be tested to determine if it is petroleum-contaminated soil (PCS) that must be disposed properly.
- **13. SITE MAP** (To be provided as an attachment to this report form and prepared to scale)
 - a. Are all tanks, dispensers and associated piping shown on the site map? \Box Yes \Box No

If no, describe why not: _____

b. Are the length, width, depth and location of pipe unions and areas of corrosion for each piping run (trench) shown on the map? \Box Yes \Box No

If no, describe why not:

c. Are all excavations and stockpiles, including stockpiled Petroleum Contaminated Soil (PCS), shown on the map? □ Yes □ No

If no, describe why not:

d. Are all sampling locations and areas of contamination shown on map? \Box Yes \Box No

If no, describe why not:

e. Are all cross streets and major structures (i.e. buildings) near the excavation zone(s) shown on map?

 \Box Yes \Box No

If no, describe why not:

14. LABORATORY RESULTS

- a. Submit the laboratory analytical results in Table II and Table III (if applicable)following the Sampling Guidelines outlined in the *UST Permanent Closure Guidance Document*.
- b. Identify all samples (including stockpile samples), location of each sample, depth of each sample, soil lithology of each sample and analytical test results of each sample in the table below.
- c. Laboratory Reporting Limits: Indicate reporting limits for range(s) of compounds separately. If nondetected, do not write non-detect or "ND." List the numerical reporting limit, for example, "<0.25 mg/kg".

15. FIRE MARSHALL REPORT

Please include a copy of the Fire Marshall's inspection report. Have you included the Fire Marshall's Report?

 \Box Yes \Box No

If not, please explain _____

Name of Chemicals sampled & corresponding analytical methods				TPH Method	Benzene	Toluene	Ethyl- Benzene	Xylenes	VOCs ²	PAHs ²	Metals
				8015AZ ¹		Method 8021 or 8260			Method 8260	Method 8310	Method See ³
Laboratory Reporting Limits(mg/kg)											
Sample ID #	Location of sample	Depth (bgs)	Soil Type	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)

Table II - Soil Analytical Results

mg/kg = milligram per kilogram, bgs = below ground surface, ppm = parts per million

¹Provide a break-down of reporting limits and concentrations of total petroleum hydrocarbons (TPH) as follows: gasoline range, diesel range and oil range.

² If VOCs, PAHs or Metals are detected, use an X to identify the appropriate sample and use Table III to provide analytical data.

³Use EPA 6000/7000 series Test Methods

- d. Provide copies of the laboratory results, including Quality Assurance/Quality Control (QA/QC) information and an original, legible chain-of-custody as an attachment to this report form. Refer to ASTM Standard D 4840-88 for chain-of-custody procedures.
- e. Holding time (hours):_____ NOTE: Soil samples to be analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) or other Volatile Organic Compounds (VOCs) should be extracted within 72 hours of collection. ADEQ may extend the 72 hour limit to 120 hours with site-specific pre-approval.

ADEQ may not consider samples exceeding the extraction holding time as valid and may require additional sampling.f. If an extension to the holding time has been granted by ADEQ, furnish below the date of extension and the name of the person that granted extension:

Date:	ADEQ Authori	zed Representative:
THE SPACE BELOW IS PROV	VIDED FOR ADD	ITIONAL COMMENTS:
UST PERMANENT CLOSURE	T A SSESSMENT I	ΣΕΡΩΡΤ ΡΡΕΡΑΡΕΝ RV.
Signature:		
		Date:
Signature:		Date:
Signature: Name Printed:		Date: Position Title:
Signature: Name Printed: Company Name:		Date: Position Title:
Signature: Name Printed: Company Name: Street Address:	Zip:	Date: Position Title:

17. QUESTIONS:

ADEQ would appreciate receiving the consultant's response to the following question: "In your professional opinion, has there been a release of a regulated substance at this site?"

 \Box Yes \Box No \Box Needs further assessment

18. VOC, PAH and METAL RESULTS (Complete only if applicable)

- a. Use Table III to identify the concentrations of the VOCs, PAHs and Metals detected for each applicable sample.
- b. In cases where a compound is detected in some but not all samples, list the numerical reporting limit for each sample in which the compound was not detected to indicate that. Do not write "non-detect" or "ND" only.
- c. Holding time (hours):_____

VOCs , PAHs and	Laboratory Reporting Limit mg/kg (ppm)	Concentration in mg/kg (ppm)							
Metals Detected		Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID

Table III