

UNDERGROUND STORAGE TANK (UST) SYSTEM DATA

UST #	AGE	CAPACITY	PRODUCT	CONST. MATERIAL	UST STATUS	DATE LAST USED	PIPE STATUS	DISP. STATUS	DATE REMOVED

*STATUS= OOS<90 – Out of Service < 90 days OOS>90 – Out of Service > 90 days RE - Replace R - Removed
 CIU - Currently In Use NA - Not Applicable CIS - Change in Service CIP - Closed in Place*

SAMPLE DATA

SAMPLE COLLECTION PROCEDURES:

SAMPLE PRESERVATION: _____

SAMPLING EQUIPMENT: _____

SAMPLING METHOD: _____

FIELD SCREENING:

INSTRUMENT USED: _____

METHODOLOGY USED: _____

CALIBRATION PROCEDURES:

					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
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					<input type="checkbox"/>

NAME AND AFFILIATION OF PERSON COLLECTING SAMPLES:

DIMENSIONS OF EXCAVATION: _____

LABORATORY DATA

LABORATORY NAME: _____

ADDRESS: _____

PHONE #: _____

LABORATORY ANALYST NAME: _____

CHEMICAL OF CONCERN / TEST METHOD: _____

DATE SAMPLES RECEIVED BY LAB: _____

DATE SAMPLES ANALYZED BY LAB: _____

UST EXCAVATION ANALYTICAL RESULTS

SAMPLE ID:	WATER	WATER	ACTION	SOIL	SOIL	SOIL	SOIL	ACTION
			LEVEL					LEVEL
CHEMICAL OF CONCERN:								
BENZENE			0.005					0.149
TOLUENE			1					49.1
ETHYLBENZENE			0.7					45.5
TOTAL XYLENES			10					15.7
MTBE			0.04					0.470
BENZO (a) ANTHRACENE			0.00026					11.0
BENZO (a) PYRENE			0.0002					1.1
BENZO (b) FLUORANTHENE			0.00017					11.0
BENZO (k) FLUORANTHENE			0.17					1.0
CHRYSENE			0.047					1,100.0
DIBENZ (a,h) ANTHRACENE			0.0002					1.1
INDENO (1,2,3-cd) PYRENE			0.00022					11.0
NAPHTHALENE			0.14					39.8
TPH (C6-C12)			-					1,000.0
TPH (C10-C20)			-					2,000.0
TPH (C20-C34)			-					5,000.0
OTHER:								

Concentrations are reported in mg/kg for soil and mg/L for water

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER 1 SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).



PIPING RUN, REMOTE FILL PIPE, DISPENSER ISLAND ANALYTICAL RESULTS

SAMPLE ID:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	ACTION LEVEL
CHEMICAL OF CONCERN:								
BENZENE								0.149
TOLUENE								49.1
ETHYLBENZENE								45.5
TOTAL XYLENES								15.7
MTBE								0.470
BENZO (a) ANTHRACENE								11.0
BENZO (a) PYRENE								1.1
BENZO (b) FLUORANTHENE								11.0
BENZO (k) FLUORANTHENE								110.0
CHRYSENE								1,100.0
DIBENZ (a,h) ANTHRACENE								1.1
INDENO (1,2,3-cd) PYRENE								11.0
NAPHTHALENE								39.8
TPH (C6-C12)								1,000.0
TPH (C10-C20)								2,000.0
TPH (C20-C34)								5,000.0
OTHER:								

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER 1 SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).

STOCKPILE ANALYTICAL RESULTS

STOCKPILE ID:	CUBIC YARDS:	STOCKPILE DISPOSITION*						ACTION LEVEL	RE-USE LEVEL
CHEMICAL OF CONCERN:									
BENZENE								0.149	0.015
TOLUENE								49.1	4.91
ETHYLBENZENE								45.5	4.55
TOTAL XYLENES								15.7	15.7
MTBE								0.470	0.047
BENZO (a) ANTHRACENE								11.0	2.2
BENZO (a) PYRENE								1.1	1.1
BENZO (b) FLUORANTHENE								11.0	5.53
BENZO (k) FLUORANTHENE								110.0	1.97
CHRYSENE								1,100.0	1.27
DIBENZ (a,h) ANTHRACENE								1.1	0.94
INDENO (1,2,3-cd) PYRENE								11.0	0.15
NAPHTHALENE								39.8	3.98
TPH (C6-C12)								1,000.0	1,000.0
TPH (C10-C20)								2,000.0	2,000.0
TPH (C20-C34)								5,000.0	5,000.0
OTHER:									

*R=RETURNED TO CAVITY L=LANDFILL S=STOCKPILED T=TREATMENT BY O/O (requires PCS Treatment Plan)

WASTE DISPOSAL DATA

UST SYSTEM DISPOSITION:

NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

PRODUCT DISPOSITION:

NAME: _____

ADDRESS: _____

CITY: _____

STATE/ZIP: _____

VOLUME/GALLONS: _____

WASTEWATER DISPOSITION:

NAME: _____

ADDRESS: _____

CITY: _____

STATE/ZIP: _____

VOLUME/GALLONS: _____

PETROLEUM CONTAMINATED SOIL (PCS) FORM

This form should be completed and submitted within 120 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to storage or treatment, whichever comes first.

A separate PCS form shall be completed for each stockpile generated.

OWNER/OPERATOR INFORMATION								
OWNER/OPERATOR NAME			CONTACT PERSON			AREA CODE-PHONE		
CITY			STATE			ZIP CODE		
UST FACILITY INFORMATION			STORAGE FACILITY INFORMATION			FACILITY WHERE SOILS WILL BE DISPOSED OF OR TREATED		
FACILITY ID#			FACILITY ID#			FACILITY NAME		
FACILITY NAME			FACILITY NAME			FACILITY NAME		
ADDRESS			ADDRESS			ADDRESS		
CITY	STATE	ZIP CODE	CITY	STATE	ZIP CODE	CITY	STATE	ZIP CODE
TELEPHONE	COUNTY		TELEPHONE	COUNTY	DATE TRANSFERRED	STOCKPILE DESIGNATION (e.g., pile #1, pile from waste oil cavity, etc.)		

DATE STOCKPILE WAS GENERATED _____

Cubic Yards

- _____ On-site treatment (requires a treatment plan)
- _____ Off-site treatment (requires a treatment plan)
- _____ Soil analysis falls below Rule 16 re-use levels (RUL)
- _____ Returned to excavation (below site specific action levels) (RTE BAL)
- _____ Returned to excavation (above site specific action levels) (RTE AAL)
- _____ Disposal at a landfill (LFL)
- _____ Disposal at a treatment facility (COM)
- _____ Stockpile remains on-site (provide written explanation) (SOS)

MISCELLANEOUS DATA

ADDITIONAL INFORMATION WHICH IS REQUIRED BY OAC 1301:7-9-12 OR ADDITIONAL INFORMATION WHICH CLARIFIES CLOSURE ACTIVITIES SHALL BE SUBMITTED AS APPENDICES TO THIS REPORT.

THE FOLLOWING ITEMS MUST BE ATTACHED:

- Appendix A – Figures (includes Topographic & Site Maps)
- Appendix B - Permit
- Appendix C - Field inspection report
- Appendix D - Laboratory analytical report
- Appendix E - Chain of custody form
- Appendix F - Disposal documentation
- Appendix G – Miscellaneous Data

SITE MAP: Site maps, drawn to scale, must be included in Appendix A. Maps should include property boundaries, street locations, UST cavity dimensions, above ground structures, UST systems, adjacent properties, sample locations, any utilities, and the location(s) of previously closed UST systems.

CERTIFIED FIRE SAFETY INSPECTOR:

NAME: _____
COMPANY/FD: _____
ADDRESS: _____
PHONE #: _____
INSPECTOR ID #: _____

CERTIFIED INSTALLER:

NAME: _____
COMPANY: _____
ADDRESS: _____
PHONE #: _____
ID #: _____

CLOSURE FORM PREPARED BY:

NAME: _____
COMPANY: _____
ADDRESS: _____
PHONE #: _____
EMAIL: _____

Closure Form **must** be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the closure form is legible and complete.

OWNER / OPERATOR SIGNATURE: _____

PRINT NAME: _____ **DATE:** _____

CHEMICALS OF CONCERN AND RECOMMENDED LABORATORY METHODS

Analytical Group 1 - light distillate products - including unleaded gasoline, leaded gasoline and aviation gasoline;

Analytical Group 2 - middle distillate products - including diesel, light fuel oils, stoddard solvents, mineral spirits, kerosene, and jet fuels;

Analytical Group 3 - heavy petroleum distillate products - including, but not limited to, lubricating and hydraulic oils;

Analytical Group 4 - used oil

Analytical Group 5 - unknown petroleum products or petroleum products other than those listed in analytical groups 1, 2, 3 and 4. Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

	Analytical Group Number	1	2	3	4	5	Analytical Methods
		Light Distillates	Middle Distillates	Heavy Distillates	Used Oil	Unknowns & Others	
Chemical							
Aromatics	Benzene	x	x		x		8021/8260
	Toluene	x	x		x		
	Ethylbenzene	x	x		x		
	o, m and p-Xylenes	x	x		x		
Additives	Methyl tertiary-butyl ether (MTBE)	x			x		
Polynuclear Aromatics	Benzo(a)anthracene		x	x	x		8270/8310
	Benzo(a)pyrene		x	x	x		
	Benzo(b)fluoranthene		x	x	x		
	Benzo(k)fluoranthene		x	x	x		
	Chrysene		x	x	x		
	Dibenz(a,h)anthracene		x	x	x		
	Indeno(1,2,3-c,d)pyrene		x	x	x		
Naphthalene		x	x	x			
Chlorinated Hydrocarbons	Volatile Organic Hydrocarbons				x		8260
Total Petroleum Hydrocarbons *1	TPH (C6 – C12)	x			x		8015
	TPH (C10 – C20)		x		x		
	TPH (C20 – C34)			x	x		
	Varies based on UST contents			x	x	*2	

*1 TPH analysis is not required for ground water samples.

*2 Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

BUSTR CLOSURE ACTION LEVELS					
Chemicals of Concern	Soil Action Levels			Water	PCS Re-use
	Class 1 Soils	Class 2 Soils	Class 3 Soils		
Benzene	0.149	0.252	0.937	0.005	0.015
Toluene	49.1	70.8	86.0	1	4.91
Ethylbenzene	45.5	83.0	282.0	0.7	4.55
Total Xylenes	15.7	18.0	21.7	10	15.7
MTBE	0.470	0.788	3.440	0.04	0.047
Benzo(a)anthracene	11.0	11.0	11.0	0.00026	2.2
Benzo(a)pyrene	1.1	1.1	1.1	0.0002	1.1
Benzo(b)flouranthene	11.0	11.0	11.0	0.00017	5.53
Benzo(k)flouranthene	110.0	110.0	110.0	0.0017	1.97
Chrysene	1,100.0	1,100.0	1,100.0	0.047	1.27
Dibenz(a,h)anthracene	1.1	1.1	1.1	0.0002	0.94
Indeno(1,2,3-cd) pyrene	11.0	11.0	11.0	0.00022	0.15
Naphthalene	39.8	54.0	54.0	0.14	3.98
TPH C ₆ -C ₁₂	1,000.0	5,000.0	8,000.0	-	1,000.0
TPH C ₁₀ -C ₂₀	2,000.0	10,000.0	20,000.0	-	2,000.0
TPH C ₂₀ -C ₃₄	5,000.0	20,000.0	40,000.0	-	5,000.0

Soil contaminant levels in mg/kg

Water contaminant levels in mg/L