



TIER 1 EVALUATION REPORT FORM

This report form is to be submitted if all COCs are below action levels for all pathways after completing a Tier 1 Source Investigation. This report form is due within ninety days of any of the following items:

- Receiving analytical results, which exceed action levels, pursuant to paragraph (F)(3)(c) of OAC 1301:7-9-13;
- Electing to conduct corrective actions pursuant to paragraph (B)(2) of OAC 1301:7-9-13;
- Electing to conduct a Tier 1 Source Investigation pursuant to (F)(3)(b)(i) of OAC 1301:7-9-13;
- Receiving analytical results, which exceed action levels, from a closure assessment conducted pursuant to paragraph (F) of OAC 1301:7-9-12; or
- Conducting corrective action activities pursuant to paragraph (B)(3) and (B)(4) of OAC 1301:7-9-13

OWNER/OPERATOR AND FACILITY DATA

FACILITY INFORMATION:

COMPANY: _____
 ADDRESS: _____
 CITY: _____
 COUNTY: _____
 ZIP CODE: _____
 LAT/LONG: _____
 FACILITY ID #: _____

UST OWNER INFORMATION:

COMPANY: _____
 ADDRESS: _____
 CITY, STATE: _____
 ZIP CODE: _____
 CONTACT PERSON: _____
 PHONE: _____

UST OPERATOR INFORMATION:

COMPANY: _____
 ADDRESS: _____
 CITY, STATE: _____
 ZIP: _____
 CONTACT PERSON: _____
 PHONE: _____

PROPERTY OWNER INFORMATION:

COMPANY: _____
 ADDRESS: _____
 CITY, STATE: _____
 ZIP: _____
 CONTACT PERSON: _____
 PHONE: _____

UNDERGROUND STORAGE TANK (UST) SYSTEM DATA

Tank #	Date Installed	Capacity	Const. Material	Tank 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*

30-32'								
32-34'								
34-36'								
36-38'								
38-40'								
40-42'								
42-44'								
44-46'								
46-48'								
48-50'								
GW Depth								

The soil samples that were submitted for analysis should be in **BOLD** or marked with *

SOIL CLASSIFICATION

SOIL CLASSIFICATION: SOIL CLASS 1 SOIL CLASS 2 SOIL CLASS 3
SOIL SYMBOL: GW, GP, GM, GC, SW, SP, SM, SC, ML, CL, OL, MH CH, OH, PT

MARK THE CORRECT CHOICE: SOIL CLASS 1 SOIL CLASS 2 SOIL CLASS 3



LABORATORY DATA

LABORATORY NAME: _____

ADDRESS: _____

PHONE #: _____

CHEMICAL OF CONCERN / TEST METHOD: _____

DATE SAMPLES RECEIVED BY LAB: _____

DATE SAMPLES ANALYZED BY LAB: _____

TEMPERATURE OF COOLER/SAMPLES: _____

GROUNDWATER DETERMINATION

MARK THE CORRECT CHOICE

THE SATURATED ZONE IS ASSUMED TO BE GROUND WATER: YES NO

THE SATURATED ZONE IS NOT CONSIDERED GROUND WATER: YES NO N/A

DEPTH TO THE SATURATED ZONE: <15' 15'-30' 31-50' > 50'

IF THE SATURATED ZONE IS NOT CONSIDERED GROUND WATER, DOCUMENTATION MUST BE PROVIDED:

GROUND WATER FLOW DIRECTION: _____

IMMEDIATE CORRECTIVE ACTIONS




CURRENT FREE PRODUCT PRESENT: YES NO HISTORICAL: YES NO

LOCATION OF FREE PRODUCT: _____

AMOUNT OF FREE PRODUCT RECOVERED TO DATE: _____

OTHER IMMEDIATE CORRECTIVE ACTIONS: _____

SITE MAXIMUM CONCENTRATIONS

	SOIL				GROUND WATER		
	SB	Depth	Conc. mg/kg	Action Level	MW	Conc. mg/L	Action Level
BENZENE							
TOLUENE							
ETHYLBENZENE							
TOTAL XYLENES							
MTBE							
BENZO (a) ANTHRACENE 							
BENZO (a) PYRENE							
BENZO (b) FLUORANTHENE							
BENZO (k) FLUORANTHENE							
CHRYSENE							
DIBENZ (a,h) ANTHRACENE							
INDENO (1,2,3-cd) PYRENE							
NAPHTHALENE							
TPH (C6-C12)					N/A	N/A	N/A
TPH (C10-C20)					N/A	N/A	N/A
TPH (C20-C34)					N/A	N/A	N/A
OTHER:							

MISCELLANEOUS DATA

THE FOLLOWING ITEMS MUST BE ATTACHED:

ADDITIONAL INFORMATION WHICH IS REQUIRED BY OAC 1301:7-9-13 OR ADDITIONAL INFORMATION WHICH CLARIFIES THE INVESTIGATION ACTIVITIES SHALL BE SUBMITTED AS APPENDICES TO THIS REPORT.

TABLES:

- TABLE 1 - SOIL CONCENTRATIONS COMPARED TO ACTION LEVELS FOR EACH PATHWAY
- TABLE 2 - GROUND WATER CONCENTRATIONS COMPARED TO ACTION LEVELS FOR EACH PATHWAY
- TABLE 3 - MONITORING WELL GAUGING DATA

FIGURES:

- FIGURE 1 - TOPOGRAPHIC MAP
- FIGURE 2 - SITE MAP
- FIGURE 3 – SITE MAP WITH SOIL BORING LOCATIONS, SOIL CONCENTRATIONS AND SAMPLE DEPTH
- FIGURE 4 - SITE MAP WITH MONITORING WELLS AND GROUND WATER CONCENTRATIONS
- FIGURE 5 - GROUND WATER CONTOUR MAP

APPENDIX:

- APPENDIX A – SOIL BORING LOGS
- APPENDIX B – MONITORING WELL CONSTRUCTION DIAGRAMS
- APPENDIX C – MONITORING WELL DEVELOPMENT & SAMPLING FORMS
- APPENDIX D – SOIL CLASSIFICATION FORM
- APPENDIX E – LABORATORY ANALYTICAL REPORT
- APPENDIX F – CHAIN OF CUSTODY

The Tier 1 Evaluation Report Form **must** be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the form is legible and complete.

OWNER / OPERATOR SIGNATURE: _____

PRINT NAME: _____ **DATE:** _____

FORM PREPARED BY:

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

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.