

Kentucky Department for Environmental Protection Division of Waste Management Underground Storage Tank Branch 300 Sower Boulevard, Second Floor - Frankfort KY 40601 (502) 564-5981	FOR OFFICIAL USE ONLY - DO NOT WRITE IN THIS SPACE
<b>UST Optional Soil Removal at Permenant Closure Reimbursement Worksheet</b>	Claim Number: <hr/> Obligation Number: <hr/>

General Information			
Agency Interest Number (AI)		PSTEAF Application Number	
Date of Permanent Closure			
Dimensions of the Optional Soil Removal Area(s)	Area 1:	Area 3:	
	Area 2:	Area 4:	

**1. Asphalt/Concrete Removal** (area outside the excavation zone)

**a. Asphalt Removal**

Area \_\_\_\_\_ sq.ft. x \_\_\_\_\_ = \$0.00  
(thickness)

**b. Concrete Removal**

Pad up to 4-inch thick	_____ sq.ft.	x	\$0.54	=	\$0.00	
4-inch thick w/ rebar	_____ sq.ft.	x	\$0.62	=	\$0.00	
6-inch thick	_____ sq.ft.	x	\$0.81	=	\$0.00	
6-inch thick w/ rebar	_____ sq.ft.	x	\$0.93	=	\$0.00	
9-inch thick	_____ sq.ft.	x	\$1.62	=	\$0.00	
9-inch thick w/ rebar	_____ sq.ft.	x	\$1.86	=	\$0.00	
10-inch or more	_____ sq.ft.	x	\$4.21	=	\$0.00	
10-inch or more w/ rebar	_____ sq.ft.	x	\$4.84	=	\$0.00	<b>\$0.00</b>

**c. Transportation and Disposal of Asphalt or Concrete at a Permitted Facility**

_____ tons	x	\$65.00	=	\$0.00	(within 50 miles)	
_____ tons	x	\$79.00	=	\$0.00	(50 to 100 miles)	
_____ tons	x	\$93.00	=	\$0.00	(over 100 miles)	<b>\$0.00</b>

**2. Excavation and Disposal or Treatment of Contaminated Material** (area outside the excavation zone)

**a. Mobilization and Demobilization of Heavy Equipment and Oversight Personnel to the Regulated Facility**

_____ miles	x	\$5.60	=	\$0.00	Equipment	
(round trip)		minimum		\$540.00		
_____ miles	x	\$2.20	=	\$0.00	Personnel oversight	<b>\$0.00</b>
(round trip)		maximum		\$2,200.00		

The one way mileage from the contractors office to the facility is \_\_\_\_\_ miles.

**b. Per Diem**

_____ day(s)	x	\$165.00	=	\$0.00		<b>\$0.00</b>
30 miles	x	0	=	\$0.00	Additional mileage	
(enter the number of days of overnight stay)						

**c. Field Equipment**

_____ day(s)	x	\$165.00	=	\$0.00	Field Equipment	
_____ day(s)	x	\$55.00	=	\$0.00	Tools of the Trade	<b>\$0.00</b>

**d. Excavation of Contaminated Material**

Contaminated _____ tons	x	\$5.75	=	\$0.00		
				minimum	\$2,500.00	<b>\$0.00</b>

AI \_\_\_\_\_

<b>e. Purchase and Transportation of Backfill Material</b>					
	_____ tons	x	\$21.00	=	\$0.00 (within 50 miles)
	_____ tons	x	\$28.00	=	\$0.00 (50 to 100 miles)
	_____ tons	x	\$35.00	=	\$0.00 (over 100 miles)
from borrow area	_____ tons	x	\$7.95	=	\$0.00
	<i>(only allowed if soil is disposed at a landfill)</i>				<b>\$0.00</b>
<b>f. Install, Compact, and Grade Backfill</b>					
	_____ tons	x	\$4.90	=	\$0.00
					<b>\$0.00</b>
<b>g. Transportation and Disposal or Treatment of Contaminated Material at a Permitted Facility</b>					
	_____ tons	x	\$65.00	=	\$0.00 (within 50 miles)
	_____ tons	x	\$80.00	=	\$0.00 (50 to 100 miles)
	_____ tons	x	\$94.00	=	\$0.00 (over 100 miles)
					<b>\$0.00</b>
<b>h. Pumping and Transportation of Contaminated Pit Water or Groundwater</b>					
	_____ gallons	x	\$0.27	=	\$0.00
			minimum		\$650.00
					<b>\$0.00</b>
<b>i. Disposal or Treatment of Pit Water or Groundwater at a Permitted Facility</b>					
	_____ gallons	x	\$0.49	=	\$0.00 per gallon
					<b>\$0.00</b>
<b>3.</b>	<b>Transportation, Disposal or Treatment, at a Permitted Facility, and Replacement of Contaminated Backfill Material from within the Excavation Zone</b>				
	Dimensions of the Excavation Zone _____				
<b>a. Transportation and Disposal or Treatment at a Permitted Facility, including Asphaltic Material (if necessary)</b>					
	_____ tons	x	\$65.00	=	\$0.00 (within 50 miles)
	_____ tons	x	\$80.00	=	\$0.00 (50 to 100 miles)
	_____ tons	x	\$94.00	=	\$0.00 (over 100 miles)
					<b>\$0.00</b>
<b>b. Purchase and Transportation of Backfill Material</b>					
	_____ tons	x	\$21.00	=	\$0.00 (within 50 miles)
	_____ tons	x	\$28.00	=	\$0.00 (50 to 100 miles)
	_____ tons	x	\$35.00	=	\$0.00 (over 100 miles)
from borrow area	_____ tons	x	\$7.95	=	\$0.00
					<b>\$0.00</b>
<b>4.</b>	<b>Laboratory Analysis (for samples collected outside the excavation zone)</b>				
	BTEX _____	x	\$100.00	=	\$0.00
	PAH _____	x	\$228.00	=	\$0.00
	Total Lead _____	x	\$54.00	=	\$0.00
					<b>\$0.00</b>
<b>5.</b>	<b>Report for Optional Soil Removal at the Time of Permanent Closure</b>				
	Report _____	x	\$545.00	=	\$0.00
					<b>\$0.00</b>
	<b>TOTAL</b>				<b>\$0.00</b>

**GENERAL INSTRUCTIONS**  
**UST Optional Soil Removal at Permanent Closure Reimbursement Worksheet**

Instructions provided are for the DWM 4288, UST Optional Soil Removal at Permanent Closure Reimbursement Worksheet. For any questions regarding any section of this form, please call the Division of Waste Management's Underground Storage Tank (UST) Branch. This form must be completed either by typing or by printing legibly with black ink.

All sections shall be completed to be accepted by the cabinet. If this form is not complete (including all required additional documentation) a deficiency letter will be sent to the applicant for corrections.

This reimbursement worksheet shall be completed, per 401 KAR 42:250, Section 9, to initiate reimbursement for optional soil removal outside the excavation zone completed in accordance with Section 4.16 of the UST Corrective Action Manual, incorporated by reference in 401 KAR 42:060. This reimbursement worksheet shall also be completed, if applicable, for the transportation and disposal or treatment, at a permitted facility, of contaminated material and water from within the excavation zone when performed in conjunction with optional soil removal. The formulated task rates prescribed in this reimbursement worksheet shall include facility visits, scheduling, oversight personnel, labor, equipment, and material needed in order to perform the listed actions, per the UST PSTEAF Reimbursement Rates, incorporated by reference in 401 KAR 42:250. Reimbursement shall be contingent upon a technical completeness determination by the cabinet and meeting the requirements of 401 KAR Chapter 42. The entry level, in accordance with 401 KAR 42:250, Section 5, shall not be deducted from the eligible reimbursement if the petroleum storage tank owner or operator performs optional soil removal outside the excavation zone during permanent closure.

**Submit DWM 4288 form via mail, fax, or electronically:**

**Kentucky Department for Environmental Protection**  
**Division of Waste Management**  
**Underground Storage Tank Branch**  
**300 Sower Boulevard, Second Floor**  
**Frankfort, KY 40601**  
**Phone: (502) 564-5981**  
**Fax: (502) 564-0094**  
<http://waste.ky.gov/UST>

**General Information:**

- **Agency Interest Number (AI)** – Enter the agency interest number for the facility.
- **PSTEAF Application Number** – Enter the PSTEAF Application for Assistance number.
- **Date of Permanent Closure** – Enter the date permanent closure occurred.
- **Dimensions of the Optional Soil Removal Area(s)** – Enter the excavation dimensions of the optional soil removal for each area where performed (*length x width x depth*). Attach an additional pages as necessary. Dimensions shall correspond with the dimensions in the UST Closure Assessment Report Checklist, DWM 4262.

<b>Section</b>	<b>1.</b>	<p><b>Asphalt/Concrete Removal:</b></p> <ul style="list-style-type: none"> <li>a. <b>Asphalt Removal</b> – Enter the number of square feet based upon the total area (total square footage) of asphalt over-excavated outside the excavation zone. Enter the thickness of the asphalt removed worksheet and support with photographs.</li> <li>b. <b>Concrete Removal</b> – Enter the number of square feet based upon the total area (total square footage) of concrete over-excavated outside the excavation zone in the space corresponding with the appropriate concrete thickness and presence of rebar. Support with photographs verifying actual thickness, and the absence or presence of rebar.</li> <li>c. <b>Transportation and Disposal of Asphalt at a Permitted Facility</b> – Enter the tons of asphalt/concrete removed outside the excavation zone that was disposed, based upon the mileage to the nearest regulated facility. Weight tickets shall be submitted to support the tonnage.</li> </ul>
<b>Section</b>	<b>2.</b>	<p><b>Excavation and Disposal or Treatment of Contaminated Material:</b></p> <ul style="list-style-type: none"> <li>a. <b>Mobilization and Demobilization of Heavy Equipment and Oversight Personnel to the Regulated Facility</b> – Enter the round trip mileage from the eligible company or partnership's nearest office to the regulated facility for both the heavy equipment and oversight personnel. Only one (1) round trip mileage for heavy equipment shall be reimbursed.</li> <li>b. <b>Per Diem</b> – Enter the number of overnight stays for personnel providing oversight. Submit copies of hotel receipts and time sheets, with the claim submittal, to support the overnight stay with the worksheet, if applicable.</li> <li>c. <b>Field Equipment</b> – Enter the number of days in which optional soil removal outside the excavation zone occurred in both spaces provided (i.e., field equipment and tools of the trade).</li> <li>d. <b>Excavation of Contaminated Material</b> – Enter the tons of contaminated soil removed outside of the excavation zone, as documented by weigh tickets, submitted with the worksheet. This amount shall correspond with the tonnage identified in the UST Closure Assessment Report Checklist, DWM 4262. If weigh tickets are not submitted to verify tonnage, reimbursement shall be made based on the actual area of over-excavation. The volume of the excavated area (cubic yards) shall be converted to tons utilizing a conversion factor of 1.5 (tons per cubic yard).</li> </ul>

		<p>e. <b>Purchase and Transportation of Backfill Material</b> – Enter the tons of backfill material purchased for the area outside the excavation zone. Reimbursement shall be based upon weigh tickets submitted, supporting the tons of backfill material purchased and transported from the nearest quarry. If the backfill is from a borrow area, reimbursement shall be based on the number of tons as determined in Section 2(d) above, unless weigh tickets can be submitted to support actual tonnage.</p> <p>f. <b>Install, Compact, and Grade Backfill</b> – Enter the tons of backfill material identified in Section 2(e) above. Reimbursement shall be based upon the weigh tickets submitted, supporting the number of tons of backfill material purchased for the area outside the excavation zone. If the soil is from a borrow area, the total number of tons disposed or treated shall be the basis of reimbursement unless weigh tickets can be submitted to support the actual tonnage.</p> <p>g. <b>Transportation and Disposal or Treatment of Contaminated Material at a Permitted Facility</b> – Enter the tons of backfill material identified in Section 2(d) above. Reimbursement shall be contingent upon verification through the submittal of weigh tickets and based upon the verified tonnage disposed or treated at the nearest permitted facility. Weigh tickets from the permitted facility shall be submitted with this worksheet to support the tonnage disposed or treated. If weigh tickets are not submitted to verify tonnage, reimbursement shall be made based on the actual area of over-excavation. The volume of the excavated area (cubic yards) shall be converted to tons utilizing a conversion factor of 1.5 (tons per cubic yard).</p> <p>h. <b>Pumping and Transportation of Contaminated Pit Water or Groundwater</b> – Enter the number of gallons of contaminated water pumped and transported for disposal or treatment. This amount shall correspond with the waste manifest provided for disposal or treatment.</p> <p>i. <b>Disposal or Treatment of Pit Water or Groundwater at a Permitted Facility</b> – Enter the number of gallons of contaminated water disposed or treated. This shall correspond with the gallons entered in Section 2(h) above and the waste manifest provided for disposal or treatment.</p>
<b>Section</b>	<b>3.</b>	<p><b>Transportation, Disposal or Treatment, at a Permitted Facility, and Replacement of Contaminated Backfill Material from within the Excavation Zone:</b></p> <ul style="list-style-type: none"> <li>• <b>Dimensions of Excavation Zone</b> – Enter the dimensions of the original excavation zone associated with the tank removal (<i>length x width x depth</i>).</li> </ul> <p>a. <b>Transportation and Disposal or Treatment at a permitted Facility, including Asphaltic Material</b> – Enter the tonnage of the backfill material contaminated above the applicable screening levels, removed and disposed or treated, that is associated with the tank removal. Reimbursement shall be contingent upon verification through the submittal of weigh tickets and based upon the verified tonnage disposed or treated at the nearest permitted facility. Weigh tickets from the permitted facility shall be submitted with this worksheet to support the tonnage disposed or treated. If weigh tickets are not submitted to verify tonnage, reimbursement shall be made based on the actual area of over-excavation. The volume of the excavated area (cubic yards) shall be converted to tons utilizing a conversion factor of 1.5 (tons per cubic yard).</p> <p>b. <b>Purchase and Transportation of Backfill Material</b> – Enter the tons of backfill material purchased to replace the contaminated material transported and disposed of or treated in Section 3(a) above. Reimbursement shall be based upon the weigh tickets submitted, supporting the number of tons of backfill material purchased and transported from the nearest quarry. If the backfill is from a borrow area, reimbursement shall be based on the number of tons as determined in Section 3(a) above, unless weigh tickets can be submitted to support actual tonnage. Backfill material to replace the tank void volume is not reimbursable.</p>
<b>Section</b>	<b>4.</b>	<p><b>Laboratory Analysis:</b></p> <ul style="list-style-type: none"> <li>• Enter the number of samples collected in accordance with Sections 4.9 and 4.10 of the UST Corrective Action Manual, incorporated by reference in 401 KAR 42:060, for each constituent analyzed. Reimbursement is limited to only those constituents for which sampling conducted during permanent closure activities indicated contamination exceeding the applicable screening levels.</li> </ul>
<b>Section</b>	<b>5.</b>	<p><b>Report for Optional Soil Removal at Time of Permanent Closure:</b></p> <ul style="list-style-type: none"> <li>• Enter "1" in the space provided.</li> </ul>