

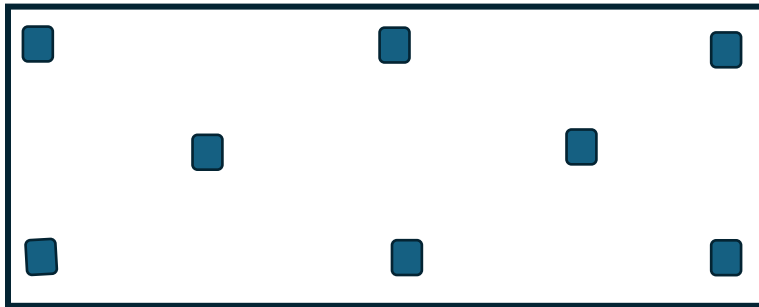
Miley Keck Tank Farm - Change Order Request – 01, Rev. 03

7/3/2024

COR Task 1 – No Change. Test pits have not been excavated. If Test Pits are to be excavated, the rate provided in the cost table applies (\$10,541.25).

Excavate Test Pits within the limits of MKTF Secondary Containment floor to determine extent of the oil contamination present. AQMD Rule 1166 applies.

AIS has already applied for and was granted an AQMD Compliance Plan for the MKTF so we can excavate test pits. We cannot start until Friday morning, May 10, according to the approved plan. We can excavate no more than 2,000 cy and we must test the soil as we excavate to determine the level of contamination. If various trigger points are present in the soil, actions must be taken per the plan. AIS has included the crew and equipment to perform test pits excavation with water used for dust suppression. I suggest digging test pits at each corner of the containment and a location at the midpoint along each side of the containment area, as well as two (2) locations in the center of the containment area as shown below.



We can excavate until we reach clean soil or approximately 6' below grade with the mini excavator on site.

AIS has not included loading, transporting or disposing of any soil from test pits. Soil will remain on site or additional costs will be incurred if the soil hits the AQMD Compliance requirements.

The cost listed in Item 1 on the COR Cost Table includes the equipment, materials and labor to excavate test pits for one 8-hour day. Additional days will result in additional daily charges.

COR Task 2 – The poly sheeting barrier originally installed along the water reservoir vents was removed. The original installation/removal costs were applied to the 1st Invoice submitted. This task and cost will be repeated whenever the soil excavation

work commences to protect the water source from contamination on the next round of remediation tasks also. Rate from Cost Table applies (\$12,216.88).

Install poly sheeting barrier along the south and east wall vents of the city's water reservoir storage facility. This was not presented as a requirement within the RFP or included in our Proposal to the City of HB but was required as part of the agreement with the Public Works Department to be able to access the MKTF from within the Public Works Department Yard.

It required three laborers, an articulating boom lift, poly sheeting and 8-hours to install and seal the vents. Another day with the 3-man crew and the boomlift plus the construction debris transport & disposal for the waste material when the barrier is removed.

This task has been half completed (installation) and the other half (removal) will be completed before demobilizing from the site so this change order amount will be included in the Invoice for the initial work.

COR Task 3 – Task and Cost remain the same from initial COR details. Rate in Cost Table applies (\$22,373.75).

Sawcut concrete and remove all underground pipes that remain, including all aboveground stub-ups, present along the exterior north containment wall (removed), all pipes/drainlines running beneath the secondary containment floor will be removed and the underground pipe that runs south to north. Remove all abandoned oil processing pipes and water pipes within the tank farm, leaving only the protected natural gas line stubs at two locations on the property.



The cost shown on the COR Cost Table includes transport & disposal of the removed soil and concrete as non-hazardous. If the soil is determined to be contaminated per AQMD Rule 1166 additional costs will be incurred.

COR Task 4 – 33% (\$7,571.00) of the original cost (\$22,942.50) for this task completion was applied to the 1st Invoice submitted to City of HB even though 50% of the work has been completed. An additional \$15,371.88 remains to be paid once this task is completed.

Concrete Tank Bases and sumps removal is another cost that AIS has incurred and was not included in the RFP nor in the AIS Proposal to the City of HB. The RFP stated that interior secondary materials should be removed (rock). However, inside of Tanks 1 & 3, there was a concrete floor, 7” thick within the tank. We had no choice but to break it out so we could remove the tanks. Additionally, there are concrete pads beneath Tanks 2 & 4 that require removal and (5) concrete sump pits. The change order amount shown as Item 4 has already been half utilized in removing, transporting, and disposing of the concrete to allow for scraping of the gravel from the containment interior.

COR Task 5 – No Change. No work on this task has been performed. If this work is to be completed, the cost provided in the Cost Table will apply (\$47,752.50).

Remove the underground pipe and restore the vault area at the Huntington St loadout location. Remove fence, backfill excavation following pipes, fittings and valves removal and restore top 6” with topsoil and replace vegetation removed. Traffic control measures and coordination with Crimson Pipeline is included. An underground gas line, electric and water utilities are in the vicinity and hand digging will be required, as well as the use of a mini excavator.

COR Task 6 – This Mob/Demob rate and Daily Standby Rate will apply as provided in the Cost Table (\$6,870.63/occurrence).

The daily standby rate for any days that AIS cannot perform project duties while awaiting decisions to be made by the interested/controlling parties or delays caused by others. The Standby Rate can also be substituted as the demobilization rate or additional mobilization rate should they be required for any reason.

COR Task 7 – The daily rate provided in the Cost Table to excavate contaminated soil under AQMD Rule 1166 will apply. This is an average daily rate (\$34,471.88) anticipated based on the parameters outlined below.

Provided a daily rate to excavate, loadout, transport & dispose of estimated 100 tons of contaminated soil (greater than 1,000 ppm) per 10-hour work day, to the Soil Safe Facility located in Adelanto, CA, maintaining the highest level of protection to the community from hazards and odors associated with the higher levels of VOCs in the soil. This daily rate includes covering the stockpile(s) when not actively adding or removing soil to/from the stockpiles and applied soil tackifiers and/or deodorizers as required. Includes soil track out

prevention measures installed to prevent soil from leaving the site on transport vehicle tires, etc.

The daily rate includes a crew of 7 people (2 operators and 3 technicians, 1 Supt. & 1 Soil Engineer to Log PID readings for all buckets of soil excavated and prior to loading into transport trucks.

Includes 55 k track excavator, 3-cy front end loader, skidsteer, water truck (2,000 -gallon) and a 200-gallon water buffalo for applying soil tackifier and/or deodorizing agent. Also includes installing and maintaining road plates at site entrance/exit to minimize soil track out. Also includes a street sweeper to control/collect any soil that is tracked out.

COR Task 8 – Done/Completed and Invoiced on AIS Invoice #1 to the City of HB.

Secure the Excavation and Demobilize all equipment & Material from the MKTF Site.

Cover & secure poly sheeting over the excavation area and secure the poly with sand bags along the concrete surface, drape the poly into the excavation covering the walls and place another sandbag at the base of the vertical wall to keep poly taut. Once the poly is stretched across the width of the excavation, another sandbag will be placed to secure the poly to the base of the vertical wall directly across from that placed on the opposite side. Stretch the poly up the vertical wall and secure the poly approximately one-foot from the edge of the vertical wall into the excavation. The purpose for the poly sheeting is to keep rainwater from flowing into the contaminated soil and causing contamination to run deeper into the soil within the excavation.

Once completed, AIS will demobilize all personnel & equipment from the MKTF Site until the issues revolving the contaminated soil are addressed.

ITEM NO.	DESCRIPTION	BID QTY	UOM	UNIT PRICE	DURATION
1	TEST PIT EXCAVATIONS	1	DAY	\$ 10,541.25	1
2	POLY SHEETING BARRIER INSTALLED ALONG SOUTH & EAST SIDES OF	1	LS	\$ 12,216.88	2
3	ADDITIONAL UNDERGROUND PIPING REMOVAL & RESTORATION	1	LS	\$ 22,373.75	3
4	CONCRETE TANK BASES & UNDERGROUND SUMPS REMOVAL & DISPOSAL	1	LS	\$ 15,371.88	2
5	REMOVE UNDERGROUND PIPE TRANSFER STATION WITHIN VAULT/	1	LS	\$ 47,752.50	4
6	MOBILIZATION/DEMobilIZATION	1	EACH	\$ 6,870.63	1
7	DAILY RATE FOR CREW TO EXCAVATE, LOADOUT, TRANSPORT & DISPOSAL	1	DAY	\$ 34,471.88	1
8	0	0	0	\$ -	0
9	0	0	0	\$ -	0
10	0	0	0	\$ -	0
11	0	0	0	\$ -	0
12	0	0	0	\$ -	0
13	0	0	0	\$ -	0
14	0	0	0	\$ -	0
15	0	0	0	\$ -	0
				\$ 149,598.75	