Hurricane Services 21, LLC
340 W. Main St. • (307) 689-2505 • hurricaneservicesllc@yahoo.com.sg

PROJECT: POC-I LLC – Ilse Dome Remediation

Cement Pit Cleaning

Personnel:
Cleaning Crew (4)
Supervisor (1)

Equipment:
Vac Truck (1)
Tool Trucks (3)
Pressure Washer
Cleaning Trailer

Cost Estimates based on 6 Days, personnel, equipment, safety supplies, travel, hotel and per diem

Stage 1: Cement Pit Cleaning **Total Estimate** **$ 64,931**

Hurricane Services 21, LLC has prepared this cost estimate based on providing the necessary materials, equipment, and personnel for Remediation at Ilse Dome, Moffit County Colorado.
SALES TAX WILL BE IN ADDITION TO ALL ESTIMATED COSTS

Planned Process:
This project aims to thoroughly clean the cement pit/sump at Ilse Dome in Moffat County, Colorado, to ensure it is free from contaminants and debris. The cleaning process work plan will precede the demolition and remediation of the cement pit. This cleaning will be executed by a specialized tank cleaning crew following strict confined space procedures over six days, with the first and last days being partially travel.

Project Timeline:
Day 1: Travel and Site Setup
Day 2: Preparation and Initial Inspection
Day 3: Pressure Washing
Day 4: Solvent Application
Day 5: Manual Cleaning and Intermediate Inspection
Day 6: Final Inspection, Documentation, and Travel

Day 1: Travel and Site Setup

Site Setup: On arrival, begin setting up barriers and signage around the work area to restrict unauthorized access. Prepare a staging area for equipment and materials. Designate muster point.

Day 2: Preparation and Initial Inspection

Safety Briefing: Conduct a comprehensive safety briefing with the cleaning crew to review confined space entry procedures. Ensure all crew members have appropriate personal protective equipment (PPE), including respirators, gloves, and protective clothing. (Daily Safety Meetings and Task-Specific Safety Meetings will be completed throughout the job)

Site Preparation: Assemble and check all necessary equipment and materials, including the pressure washer, solvent, rags, and vac truck.

Initial Inspection: Inspect the cement pit/sump for structural issues or hazards. An air quality survey will be completed with gas detectors on the pit/sump. Initial condition will be documented.

Liquid Removal: A vac truck will remove any standing liquid from the cement pit/sump. Ensure that all standing liquid is removed to facilitate subsequent cleaning steps. Monitor the liquid removal process to prevent spills or environmental contamination. Transport fluid to proper disposal.

Day 3: Pressure Washing

Pressure Washing Setup: Setup and test pressure washer. Position a vac truck to efficiently remove fluid generated during the pressure washing process.

Pressure Washing: Utilize the pressure washer to remove loose debris and surface contaminants from the cement pit/sump. Ensure that all areas are thoroughly washed, paying attention to corners and areas with more texture.

Liquid Removal: Use the vac truck to remove any standing liquid from the cement pit/sump. Monitor and track liquid volumes removed. Transport fluid to proper disposal.

Day 4: Solvent Application

Solvent Application: Apply solvent to areas with stubborn contaminants and residues.

Allow the solvent to sit for the recommended duration to break down the contaminants effectively. Use the vac truck to remove the solvent and dissolved residues.

Intermediate Inspection: Inspect to ensure that the solvent application has effectively removed contaminants. Address any areas that may require additional solvent application.

Day 5: Manual Cleaning and Intermediate Inspection

Manual Cleaning: Use rags to clean and wipe down all surfaces after applying the solvent. Ensure all residues are thoroughly removed, and the surface is clean and dry. Continuously monitor air quality within the confined space and maintain proper ventilation.

Intermediate Inspection: Conduct a thorough intermediate inspection to ensure the cement pit/sump is progressing as planned. Document the condition of post-manual cleaning with photos and notes.

Day 6: Final Inspection, Documentation, and Travel

Final Inspection: Conduct a thorough final inspection to ensure the cement pit/sump is thoroughly cleaned. Check for any remaining contaminants or residues and address as needed.

Documentation: Document the cleaning process before and after photos and any observations or issues encountered. Compile a comprehensive report detailing the steps taken, equipment used, and outcomes achieved.

Project Team:
Project Supervisor: Cody Hebbring
Tank Cleaning Lead: Oscar Sanchez
Safety: Patrick Williams

Hurricane Services 21, LLC
340 W. Main St. • (307) 689-2505 • hurricaneservicesllc@yahoo.com.sg

PROJECT: POC-I LLC – Ilse Dome Remediation

Demolition and Removal of Cement Structure

Personnel:
Crew (6)
Supervisor (1)

Equipment:
Vac Truck (1)
Tool Trucks (3)
Cement Saw
Track Hoe
Semi with Side Dump (2)
Front End Loader
Skid Steer
Fuel Truck

Cost Estimates based on 8 Days, personnel, equipment, materials disposal, travel, hotel, per diem and other required costs.

Stage 2: Demolition and Removal of Cement Structure Total Estimate $ 164,560

Hurricane Services 21, LLC has prepared this cost estimate based on providing the necessary materials, equipment, and personnel for Remediation at Ilse Dome, Moffit County Colorado.
SALES TAX WILL BE IN ADDITION TO ALL ESTIMATED COSTS

Planned Process:

This project aims to demolish and remove the cement pit structure within the Ilse Dome tank battery, sample the soil near the structure, and eventually refill the area with fill dirt once soil sampling results are returned. A specialized crew will execute this project following strict safety procedures over approximately eight days. Due to the lack of as built drawings for the cement pit structure, the plan may need to be adapted based on conditions encountered on site.

Project Timeline:

Day 1: Travel, Site Setup, and Initial Safety Meeting
Day 2: Demolition and Cement Cutting
Day 3: Demolition and Cement Cutting
Day 4: Cement Removal and Hauling
Day 5: Cement Removal and Hauling
Day 6: Soil Sampling
Day 7: Site Maintenance and Monitoring
Day 8: Final Inspection, Documentation, Travel, and Awaiting Sampling Results

Day 1: Travel, and Site Setup

Site Setup: On arrival, begin setting up barriers and signage around the work area to restrict unauthorized access. Prepare a staging area for equipment and materials.

Day 2: Demolition and Cement Cutting

Safety Briefing: Conduct a comprehensive safety briefing with the crew to review confined space entry procedures. Ensure all crew members have appropriate personal protective equipment (PPE), including respirators, gloves, and protective clothing. (Daily Safety Meetings and Task-Specific Safety Meetings will be completed throughout the job)

Demolition Preparation: Assemble and check all necessary equipment, including cement cutters, jackhammers, and safety gear.

Demolition and Cement Cutting: Begin demolition and cutting of the cement structure. Follow all safety procedures and ensure proper handling of equipment. Continuously monitor the work area for any potential hazards.

Day 3 – Day 6: Demolition, Cement Removal and Hauling

Demolition and Cement Cutting: Continue to demolition using cement cutters and heavy equipment.

Cement Removal: Begin the removal of the demolished cement pieces. Use heavy machinery as needed to lift and transport the debris.

Hauling to Disposal: Load the removed cement onto trucks for disposal. Document all loads.

Day 7: Soil Sampling

Soil Sampling Preparation: Prepare for soil sampling by gathering the necessary equipment and materials. Mark sampling locations with flags and documenting the locations.

Soil Sampling: Collect soil samples from designated areas near the demolished structure. Ensure samples are correctly labeled and stored for analysis.

Soil Sampling: Collect soil samples from designated areas near the demolished structure. Ensure samples are correctly labeled and stored for analysis.

Transport Samples to Energy Labs: Soil samples will be transported to Energy Labs following best practices for temperature control.

Site Maintenance: Perform maintenance tasks to ensure the site remains safe and orderly. Fence off the hole left after the structure's removal to prevent unauthorized access, protect wildlife and ensure safety. Monitor the site for any potential issues or hazards.

Day 8: Final Inspection and Documentation

Final Inspection: Conduct a thorough final inspection of the site. Ensure all debris has been removed and the site is clean.

Documentation: Document the demolition and removal process, including before and after photos and any observations or issues encountered. Compile a comprehensive report detailing the steps taken, equipment used, and outcomes achieved.

Await Sampling Results: Await the soil sampling results before refilling the area with fill dirt.

Note: Due to the lack of as built drawings for the cement pit structure, this plan may need to be adapted based on conditions encountered on site. The project team will remain flexible and make necessary adjustments to ensure the successful completion of the project while maintaining safety and compliance.

Project Team:
Project Supervisor: Sean Crabtree
Crew Lead: Chris Simons
Safety: Patrick Williams

Hurricane Services 21, LLC

340 W. Main St. • (307) 689-2505 • hurricaneservicesllc@yahoo.com.sg

PROJECT: POC-I LLC – Ilse Dome Remediation

Topsoil Hauling & Location Leveling

Personnel:		**Equipment:**
Crew (4)		Compactor
Supervisor	(1)	Tool Trucks (3)
		Track Hoe
		Semi with Side Dump (2)
		Front End Loader
		Skid Steer
		Fuel Truck

Cost Estimates based on 5 Days, personnel, equipment, materials disposal, fill dirt costs, travel, hotel, per diem and other required costs.

Stage 3: Demolition and Removal of Cement Structure **Total Estimate $ 68,584**

Hurricane Services 21, LLC has prepared this cost estimate based on providing the necessary materials, equipment, and personnel for Remediation at Ilse Dome, Moffit County Colorado. *SALES TAX WILL BE IN ADDITION TO ALL ESTIMATED COSTS*

Planned Process:

This project aims to refill the hole left by the removed cement pit with fill dirt, ensuring proper compaction and leveling of the site. This step will be initiated following the receipt of clean soil sampling results, confirming that the site is free from contaminants.

Project Timeline:
Day 1: Travel and Site Setup
Day 2: Delivery of Fill Dirt and Initial Filling
Day 3: Compaction and Intermediate Filling
Day 4: Final Filling, Compaction, and Leveling
Day 5: Final Inspection and Documentation

Day 1: Travel and Site Setup

Site Setup: On arrival, begin setting up barriers and signage around the work area to restrict unauthorized access. Prepare a staging area for equipment and materials.

Day 2: Delivery of Fill Dirt and Initial Filling

Safety Briefing: Conduct a comprehensive safety briefing with the crew to review confined space entry procedures. Ensure all crew members have appropriate personal protective equipment (PPE), including respirators, gloves, and protective clothing. (Daily Safety Meetings and Task-Specific Safety Meetings will be completed throughout the job)

Delivery of Fill Dirt: Coordinate the delivery of fill dirt to the site, ensure the fill dirt is free of contaminants and meets project specifications.

Initial Filling: Begin the initial filling of the hole with fill dirt. Distribute the fill dirt evenly to avoid creating voids or weak spots.

Day 3: Compaction and Intermediate Filling

Compaction: Use compaction and heavy equipment to compact the fill dirt in layers, ensuring each layer is adequately compacted before adding the next. Monitor the compaction process to ensure proper density and stability.

Intermediate Filling: Continue adding fill dirt in layers, repeating the compaction process for each layer. Ensure the fill dirt is evenly distributed and compacted to prevent settling.

Day 4: Final Filling, Compaction, and Leveling

Final Filling: Complete the filling process by adding the final layers of fill dirt. Ensure the fill dirt is evenly distributed to the desired level.

Final Compaction: Perform final compaction to ensure the entire fill is stable and adequately compacted. Use compaction equipment to achieve the required density and stability.

Leveling: Level the filled area to ensure a smooth and even surface. Use grading equipment to achieve the desired final grade.

Day 5: Final Inspection and Documentation

Final Inspection: Conduct a thorough final inspection of the site. Ensure the filled area is adequately compacted and leveled.

Documentation: Document the entire refilling process, including before and after photos and any observations or issues encountered. Compile a comprehensive report detailing the steps taken, equipment used, and outcomes achieved.

Note: The plan may need to be adapted based on ground and weather conditions encountered on site. The project team will remain flexible and make necessary adjustments to ensure the successful completion of the project while maintaining safety and compliance.

Project Team:
Project Supervisor: Sean Crabtree
Crew Lead: Chris Simons
Safety: Patrick Williams