

STATEMENT OF WORK

REPLACE PIPING AND INSTALL TANK AND PIPING LEAK DETECTION FOR FACILITY UNDERGROUND STORAGE TANK

1. This is a non-personnel services contract to replace underground piping associated with the underground storage tank in active use at the G.V. (Sonny) Montgomery VA Medical Center Jackson, Mississippi AND to provide leak detection for the Tank and Associated Piping. The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor who, in turn is responsible to the Government
2. The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to replace all piping associated with the 15,000 gallon underground fuel tank.
 - a. Tank is considered a regulated underground storage tank by the U.S. EPA and the Mississippi Department of Environmental Quality (MDEQ). All work must be done in accordance with U.S. EPA and MDEQ Underground Storage Tank regulations.
 - b. In addition to removing all old underground piping in active use, Contractor must remove ALL old piping associated with the Underground Storage Tank System including piping that is out of service or no longer functional. Contractor must also remove all electrical wiring, conduit, etc. that is no longer in service and provide for its proper disposal or off-site recycling. Removed items except impress current cathodic protection rectifier noted below CANNOT be reused on-site. Contractor must provide for proper disposal or off-site recycling of all removed piping, conduit, wiring, equipment, etc. in accordance with applicable U.S. EPA, MDEQ, and U.S. DOT regulations.
 - c. Contractor is responsible for all notifications to MDEQ and other agencies that are necessary for replacing the piping including any costs associated with filing such notifications.
 - d. Contractor is responsible for the proper reuse or disposal of fill material generated as result of removing and replacing the piping in accordance with current MDEQ protocols including any sampling required. Documentation of appropriate disposal or fitness for reuse must be provided if such documentation is required to be generated.
 - e. Per U.S. EPA and MDEQ regulations, appropriate sampling for petroleum contamination must be performed in accordance with current MDEQ protocols when the old piping is removed. HOWEVER, clean-up of any contamination found WILL BE HANDLED AS A CHANGE ORDER OR SUPPLEMENT AGREEMENT TO THIS CONTRACT and any prospective bidder shall NOT add the cost of clean-up of such contamination to their bid proposal. Likewise, any time delay caused by such clean-up and removal of contaminated soil and/or groundwater will also be handled as a change order or supplemental agreement.
 - f. As per U.S. EPA and State regulations, replacement piping MUST be double walled with interstitial monitoring.
 - g. Replacement underground piping will be doubled walled fiberglass reinforced plastic manufactured in accordance with Underwriters' Laboratories Standard 971 and installed in accordance with U.S. EPA, MDEQ, and NFPA 30 protocols.

- h. Interstitial monitoring will be in accordance with U.S. EPA and MDEQ protocols.
 - i. Alarms and other signals for piping interstitial monitoring will be directed to the monitor for tank leak detection that will be installed as part of this Contract.
 - j. Interstitial monitoring system MUST have an evaluation by a third party independent of the manufacturer or contractor. Contractor must provide documentation of this third party evaluation. Monitoring system MUST meet U.S. EPA and MDEQ performance requirements.
3. The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to install an automatic tank gauging system for an existing 15,000 underground storage tank.
- a. Tank is fiberglass reinforced plastic in composition and stores diesel fuel number two for use by emergency generators.
 - b. Monitor for automatic tank gauging system will be located in the Boiler Plant Control Room or Emergency Generators Room. Exact location will be based on size of monitor and space available. Contractor must install monitor in the indicated location and provide appropriate wiring and controls to link monitoring and gauging equipment located inside or on the Tank to the Monitor Panel.
 - c. Monitor and other elements of the automatic tank gauging system must meet current U.S. EPA and MDEQ requirements for leak detection for underground storage tanks and provide a leak detection test no less than monthly. Monitor must be able to perform leak detection while tank is in active use.
 - d. Monitor must provide durable hardcopy printout of monthly test results.
 - e. Signals from interstitial monitoring for piping installed as part of this Contract shall be directed to the Monitor which shall be capable of monitoring all leak detection probes (both the ones for the automatic tank gauge system and those for the interstitial monitoring for the piping).
 - f. Automatic tank gauging system must have been evaluated by a qualified third party independent of the manufacturer and should be listed by the National Work Group on Leak Detection Evaluations (NWGLDE). Contractor must provide documentation of such evaluation as part of pre-work submittals. Automatic tank gauging system must meet U.S. EPA and MDEQ performance requirements.
 - g. Monitor must be installed in accordance with manufacturer's instructions and applicable U.S. EPA and MDEQ requirements. Monitor must also be installed in accordance with applicable provisions of NFPA 70 (National Electrical Code).
 - h. As part of the Contract, Contractor will remove old tank monitor(s) and any associated wiring, conduit, etc. including any such wiring or conduit not in use or excess. Old wiring and equipment shall NOT be reused no manner its condition but shall be sent for off-site recycling or disposed of in accordance with applicable U.S. EPA and MDEQ regulations. Contractor will provide copies of any manifest, bill of lading, etc. generated (if required) in order to dispose of such items.
 - i. Contractor must provide full documentation on use and maintenance of tank monitoring system including all applicable users' manuals. HOWEVER, annual testing of monitor performance being mandated by new U.S. EPA regulations will be performed as a separate purchase or credit card order and is NOT part of this Contract.

- j. Contractor will provide for removal of existing impressed current cathodic protection system. The rectifier will be turned over to the VA for future reuse or resale. However, wiring, conduit, and other items associated with it will be properly disposed of or sent for off-site recycling.
- 4. All work associated with replacing the piping and installing the tank and piping leak detection systems MUST be performed by a contractor or subcontractor who is certified to install, alter, and close underground storage tanks by the Mississippi Department of Environmental Quality (MDEQ). Certification MUST be Mississippi specific. This is State Law which EPA and VA regulations require that the Medical Center adhere to.
 - a. A general contractor who lacks a Mississippi specific underground storage tank certificate can perform support work that does NOT involve underground storage tank "critical junctures" as defined by MDEQ.
 - b. Evidence of certification for person(s) who will exercise supervision over underground storage tank "critical junctures" must be provided PRIOR to issuance of Notice to Proceed. Failure to provide such evidence will result in withdraw of Contract Award.
 - c. In the event that the person exercising supervision over underground storage tank "critical junctures" (as defined by MDEQ) changes, evidence of new person's certification must be provided PRIOR to them assuming responsibility at the job site.
 - 5. Work must be completed in accordance with all applicable regulations issued by EPA and MDEQ. Work must also comply with applicable OSHA and U.S. DOT regulations and the applicable provisions of the most current edition of NFPA 30 published by the National Fire Protection Association. All electrical work shall also comply with the current edition of NFPA 70 National Electrical Code. In the event of a conflict in the requirements of the above standards, the U.S. EPA, MDEQ, OSHA, and U.S. DOT requirements must be met but otherwise, the most stringent requirement shall apply.
 - 6. Contractor is responsible for the health and safety of his or her employees.
 - a. On-site superintendents that have not completed an underground storage tank certification course MUST have completed an OSHA 10 or 30 hour Construction Safety Course and show evidence of such completion as part of the pre-construction submittals.
 - b. Contractor is responsible for compliance with the applicable provisions of the OSHA Confined Space and Excavation Standards.
 - c. Contractor must provide own air monitoring equipment, harnesses/lifelines, etc. for compliance with the OSHA Confined Space Standards. VA currently does NOT have such items on-site. If provisions for a rescue services is mandated by applicable OSHA Standards, Contractor must provide evidence of arrangements with a rescue service or if his or her own employees will perform such rescue, that the designated team has practiced a rescue from a mock or actual confined space of similar configuration within the past twelve months.
 - d. Contractor must provide for any soil testing or evacuation design that may be required by the OSHA Construction Excavation Standard.

7. Work must be completed within 90 days after Notice to Proceed.
 - a. Contractor must phase work to ensure that driveway used to access bulk oxygen tanks, grease traps, used cooking container, Canteen Loading Dock, etc. remain passable to vehicles servicing these items AT ALL TIMES except when absolutely not possible.
 - b. If driveway must be completely blocked, it can only completely blocked for a maximum of 24 hours. Driveway CANNOT be completely be blocked multiple days consecutively. There MUST be at least one business day that driveway is open between times of total blockage. To the maximum extent possible, complete blockage of Driveway will only occur on weekends and holidays.
 - c. Partial blockage of driveway will be to the minimum extent possible. Partial blockage will be a small enough area to allow service vehicles to pass.
 - d. To the maximum extent possible, items will be prefabricated off-site to avoid lengthy partial or total blockages of the Driveway.
 - e. Phasing for the job will be agreed to by the Contractor and the VA Representative. Partial and total blockages of the Driveway MUST BE SCHEDULED AS FAR IN ADVANCE AS POSSIBLE.
 - f. Contractor must provide for a temporary fuel tank and/or temporary piping to enable emergency generators fueled by the Underground Storage Tank to be able to fully run in emergency circumstances and during mandatory testing during the entire duration of the Project. Medical Center is subject the provisions of 40 CFR 112 and contractor must provide any mandated secondary containment required under these provisions for any temporary fuel tank and piping provided. Contractor must provide temporary amendment to the Medical Center Spill Prevention, Control, and Countermeasures (SPCC) Plan to address any temporary tank provided.
8. A site visit is MANDATORY for all prospective bidders in order for any prospective bidder to get a "feel" for the layout of the current Underground Storage Tank System and areas above and adjacent to it. A site visit can be arranged thru the Contracting Officer or as directed by him or her.
9. Contractor will take appropriate steps to ensure that underground and aboveground utilities NOT associated with the Underground Storage Tank System are NOT accidentally damaged or destroyed during the replacement of piping or the installation of the tank and piping leak detection systems. The Medical Center has limited drawings of underground utilities but these are incomplete, not to scale, and not always accurate. Therefore, Contractor will take additional appropriate measures to locate underground utilities that maybe impacted by the Contract Work.
 - a. Contractor shall ensure the disruption of all utility systems in close proximity to the Underground Storage Tank System is kept to the minimum extent possible.
 - b. Any shutdown or blockage of a utility or utility system will be coordinated as far in advance as possible.