

SPECIFICATIONS

I. SCOPE OF WORK

This agreement is for furnishing all necessary labor and equipment to remove and dispose of sludge from the settling lagoon at the Wildwood Acid Mine Drainage Treatment Plant, located in Hampton Township Allegheny County, in accordance with the scope of work and terms of this bid proposal.

The dimensions of the settling lagoon are forty-six feet (46') wide by two hundred fifty-six feet (256') long with a total depth of eleven feet (11'). It is estimated that the sludge contained in the lagoon is approximately four-point twenty-five feet (4.25') in average depth with an estimated density of three-point five percent (3.5%). Sludge removal consists of removing, hauling and disposing of the sludge at an approved permitted landfill or an approved residual waste disposal site obtained by the Contractor. The Contractor must obtain the residue waste disposal permit (Form U) in accordance with all existing laws and regulations of the Pennsylvania Department of Environmental Protection, Bureau of Waste Management. The Contractor must provide copies of Form U and the approval to the Department prior to starting work. If the Contractor proposes to dispose of sludge at an out-of-state facility, all applicable Federal/State requirements, permits, and/or laws of that state must be met. The Contractor must provide the Department with written verification that the sludge was accepted and disposed of at an approved, permitted site.

The sludge shall be removed to a uniform depth of six inches (6") above the bottom of the lagoon. The inside face of the lagoon walls and aeration trays shall be cleaned to remove any residual sludge or sediment to the satisfaction of the Department Representative. The Contractor will be permitted to dewater the lagoon by the existing pipes to the stream at a maximum of 800 gpm to prevent stream erosion to the greatest extent possible providing the effluent complies with the requirements of Title 25 § 87.102 of the Pennsylvania Code, Rules and Regulations.

All five (5) existing canvas baffle curtains shall be removed and disposed of by the Contractor. The Contractor shall replace all five (5) baffle curtains at the same locations with new canvas baffle curtains five feet (5') in height and forty-three feet (43') in length. The curtains shall be made of twenty-two (22) ounce UV rated material with starfoam six-inch (6") blocks along the top and a three eighth inch (3/8") galvanized chain or equivalent weight along the bottom. The five (5) canvas curtains shall have a three foot (3') opening alternating left and right on each side and shall be connected to the eye in the concrete walls, where the existing curtains were initially installed in the lagoon. Provide new type 304 stainless steel wire cables (1X19 strand core, (3/16") diameter) each supplied with two (2) wire rope clamps and thimbles to hang the new curtains.

The 26 separate one-half inch (1/2") plastic hoses in the lagoon will be removed and disposed of by the contractor.

Any disturbance to the plant site area shall be restored to original conditions.

Questions regarding the technical aspects of this bid should be directed to Ken Bobak, AMD Division, Operation Section, at 814-207-5223; or Craig Treese at 814-232-7113. Questions regarding the bidding or contracting procedures should be directed to Tammy Cree at 814-931-8532.

II. CONTRACT TASKS

The Department's Representative shall notify the Contractor of the services required, including date and time. When so requested, the Contractor shall provide service within ten (10) calendar days and shall complete the service within ten (10) calendar days. This service will include the following:

- A. Laborer(s)
- B. All necessary equipment to remove haul and dispose of sludge from the settling lagoon, clean the lagoon walls and aeration trays, remove and replace the five (5) canvas baffle curtains and to restore any disturbed areas to original conditions.

The Contractor will be required to submit to the Department a sludge removal plan outlining the equipment to be used and the procedure to be employed to remove sludge from the sludge lagoon along with the proposed disposal location as stated in the Scope of Work.

The artesian flow of AMD water to the plant will be shut off by the Department Representative after the notice to proceed is granted and a contractor start date has been scheduled and confirmed.

III. EQUIPMENT

The Contractor hereby covenants, contracts, and agrees to furnish all necessary labor, tools and equipment, and to perform all the work and labor required herein in an expeditious, substantial, and workmanlike manner in accordance with the bid proposal and all pertinent documents found in the agreement.

Repairs and replacements shall be made by the Contractor at his expense and shall be made with a minimum of time lost.

Time lost due to breakdown or replacement of parts shall not be considered as basis for payment.

The Department reserves the right to reject any item of equipment when, in the opinion of the Department's Representative, the item is not in satisfactory operating condition.

IV. INSURANCE REQUIREMENTS

The Contractor shall purchase and maintain at its expense the following types of insurances, issued by companies acceptable to the Commonwealth.

- A. Workmen's Compensation Insurance sufficient to cover all the employees of contractor working to fulfill this contract.
- B. Comprehensive General Liability Insurance, including bodily injury and property damage insurance, to protect the Commonwealth and the contractor from claims arising out of the performance of the contract. The amount of bodily injury insurance shall not be less than \$500,000 for injury or death of persons per occurrence. The amount of property damage insurance shall not be less than \$500,000 per occurrence.
- C. Automotive Liability Insurance, including bodily injury and property damage insurance, to protect the Commonwealth and the contractor from claims arising out of the performance of the contract. The amount of bodily injury insurance shall not be less than \$500,000 for injury or death of persons per occurrence. The amount of property damage insurance shall not be less than \$500,000 per occurrence.

The required insurances shall be of the Contractual Liability type and the named insured shall include the Commonwealth of Pennsylvania. The insurance shall not contain any endorsements, or any other form designed to limit and restrict any action by the Commonwealth, as an additional insured, against the insurance coverage in regard to the work under this Contract. The Contractor must provide the Commonwealth with current certificates of Insurance. These Certificates shall contain a provision that coverage afforded under the policy shall not be cancelled or changed until at least thirty (30) days written notice has been given to the Commonwealth.

V. BID AWARD

Bid award is based on a per job basis. The contract will be awarded to the lowest responsive and responsible bidder meeting all requirements.

All bids shall be submitted electronically ONLY before closing date and time.

Bid closing date and time: 2:00 p.m. Thursday, October 15, 2020.

Note: Sludge quantities herein are for informational purposes only. It is estimated that approximately 1,854 cubic yards or 374,500 gallons of sludge needs to be removed from the lagoon to an approved disposal site. Site visit by Contractor is required prior to bidding on the Contract. Please contact Ken Bobak at 814-472-1814 or Craig Treese at 814-472-1845 for date and time of site visit.

VI. CONTRACTOR QUALIFICATIONS

After bid opening and prior to award, the Department reserves the right to request three (3) references.

VII. CONTRACT QUANTITIES:

The quantities herein are estimated only and may increase or decrease depending upon the needs of the Department. Contractor shall be reimbursed at the unit price bid for actual work performed.

VIII. CONTRACT TERM

The Contract shall commence upon execution and terminate June 30, 2021.

IX. PAYMENT TERMS

Payment shall be made on a reimbursement basis for actual services performed. Contractor shall submit invoice within thirty (30) days. After the job is complete, please provide the Department with a record of the total approximate gallons of sludge that was removed from the lagoon.