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April 5, 2021

Daniel Duke  
City of Cartersville  
237 Allatoona Dam Rd  
Cartersville, GA 30120  
Via email: [dduke@cityofcartersville.org](mailto:dduke@cityofcartersville.org)

**IN RE: 21GABU0054 - Intake and Potable Tank Cleaning and Inspection**

Dear Mr. Duke:

Thank you for contacting MER Commercial Diving Division (MCD) for your underwater needs. Per your conversation with our office, I understand the proposed work to be performed in Cartersville, GA consists of the inspection and cleaning of the following:

- Three ground storage tanks, two of which are 5 million gallons and one that is 3 million gallons.
- Three clear well tanks, that are 2 million, 750,000, and 500,000 gallons in size.
- Raw water intake that consists of (3) different intake levels that have metal grating.

Our pricing for the work assumes the following:

- Our mobilization/demobilization and day rate pricing herein assume that the work will be performed back to back and bringing all gear at once. If separate mobilizations are required or requested, the rates will change accordingly.
- We can park our truck and trailer mounted dive station next to each clear well and ground storage tank.
- We will be permitted to use our submersible hydraulic pumps with environmentally friendly fluid
- We will need a boat to access the raw water intake. Access into the forebay of the dam will be by floating over the existing debris/safety boom without needing to remove it.
- The raw water intake inspection schedule will also need to be coordinated with the Army Corps of Engineers due to it being located at Allatoona Dam.
- Cleaning of the raw water intake will consist of pressure washing the gratings over the intake openings.
- Bolt-on anodes will also be installed on the screens.
- Any operations that pose a safety threat to the diver will be locked out/tagged out as needed for safe entry.
- MCD will use a confined space entry tripod for retrieval in the event of emergency.
- A lift will be provided by the city for the ground storage tanks that no longer have a ladder attached to them.

- The flocculent/sediment can be discharged anywhere from 100-150' outside the clear well into a sewer manhole or some sort of containment barrier provided by the city.

During the inspection of the potable tanks, MCD will:

- Provide equipment and labor necessary to clean the material from the interior floor of the clear wells.
- Perform by diving, an interior inspection concerned with the following areas as applicable: flocculent accumulation, coating/concrete condition, and corrosion.

MCD does not perform the brief on-site "checklist" inspections that some companies do, but rather spends the time necessary at each site to adequately collect an extensive amount of information regarding each clear well. MCD then incorporates all the information into a comprehensive report in our office, including a video of the interior and an interior written report of the inspections describing the features listed above and noting any unusual findings. MCD will submit one copy of the comprehensive report and one video of the interior inspection. [NOTE: The quality of the underwater portion of the video inspection will be dependent upon the water clarity.]

The following types of items, as applicable, will be visually evaluated:

- **Structure**
  - Foundation
  - Ringwall
  - Erosion and/or Settling
  - Column Shoes
  - Anchor Bolts
  - Tower Members
  - Riser Pipe
  - Tank Shell
  - Exterior Ladder
  - Safety Climbing Devices
  - Balcony
  - Roof
  - Interior Ladder
  - Overflow Pipe
  - Vents
  - Welds
  - Bolts
  - Rivets
  - Pins
  - Level Indicator
  - Leaks
  - Railings
- **Sanitary Conditions**
  - Fence
  - Gate
  - Locks
  - Overflow Screen and Flap
  - Vent Screens
  - Access Hatch
  - Access Hatch Lock
  - Evidence of Foreign Matter (birds, insects, oil, etc.)
  - Evidence of Vandalism or Trespassing
  - Sediment Level in Tank
  - Silt Stop
- **Coating**
  - Interior Coating Condition
  - Exterior Coating Condition
  - Uncoated Concrete Surfaces

MCD will take the following precautions while performing diving operations in the tanks:

- The diver will be in direct communication with outside personnel.
- We will use only ADCI Commercially Certified Divers.
- All gear and equipment entering the tank will be disinfected with at least 200-PPM chlorine concentration prior to entry into the system.

- The dressed diver will be sprayed off with a 200-PPM chlorine concentration before entry into the system

MCD will bring experience and innovation to the job site to solve your toughest underwater problems. We specialize in inland commercial diving and are very familiar with the equipment and methods necessary to perform clear well inspections. Our experience, training, and personnel ensure that we provide the highest standards possible in workmanship and reporting in order to satisfy the most demanding of our customers.

**PRICING:**

For the performance of this work, MCD will provide the following crew and equipment for the Daily Rate charge of \$4,300 for up to eight hours per weekday.

**[Note: Our billing is based on an eight-hour minimum per workday.]**

- Four Man Crew (dive supervisor, diver, standby diver, and tender)

Includes:

1. Commercial Dive Gear w/ Full Communications between Diver and Topside Crew
2. Enclosed Dive Trailer
3. Potable Water Dive gear
4. Dive Boat
5. Pressure Washer w/ turtle gear
6. Underwater Video Unit
7. Ordinary Hand Tools
8. Fuel
9. Confined Space Recovery System w/ winches and harness
10. 4" Hydraulic Submersible Pump, Power Unit, and up to 150' of Discharge Hose
11. Crew Per Diem

Charges for hours worked beyond an eight-hour day or for work performed on weekends with the listed level of crew and equipment will be invoiced per the overtime rate of \$690/hour. More details concerning overtime charges are listed in the Terms section of this document.

Additional charges that would apply include:

- Mobilization/Demobilization Charge: \$5,783/round trip for the listed level of crew and equipment.
  - MCD assumes that we will be able to complete the work during one Mobilization/Demobilization. If this is not the case, additional charges will apply.
- In-House Report Preparation (written and/or video): \$92.00/man-hour
- Clerical Time for Dive Plan Preparation and Submittals (if required): \$81.00/man-hour
- Our pricing assumes that we can work consecutive weekdays until the project is completed. Any weekdays that we are unable to work (standby days) will be invoiced per the daily rate listed. MER Commercial Diving Division will invoice for per diem for any non-work weekend days while we are on-site.

**SITE CONDITIONS:**

Any differential pressure that is a danger to the diver must be locked out/tagged out during diving operations. MCD will require free and unrestricted access to the structures while diving operations are taking place. If you or the facility owner are unable to allow MCD full access to the structures and MCD needs to stand-by, additional charges for stand-by time will be invoiced at the listed daily rate. MCD assumes that there is a boat ramp nearby that we can use to launch our dive boat. MCD assumes that we will be able to reach all areas of the structures utilizing our workboat or trailer mounted dive station. Large amounts of debris in the area may limit the extent of our inspection. MCD will need to perform the work during safe and workable conditions. MCD assumes the water depth will not exceed 30 FSW.

**TERMS:**

Crew size and equipment required will be selected based on safety and production requirements. Crew and equipment rates start upon arrival at the site or boat ramp and end when leaving the work site or boat ramp and include time required for setup/teardown of equipment; however, if travel time to/from the hotel exceeds 30 minutes either direction, the rates will start upon departure/arrival to hotel. MCD assumes that all work sites will be readily accessible. Any other work performed and/or personnel and/or equipment requested or needed beyond that listed (if any) would be invoiced per our current Standard Rate Sheet. Materials/consumables (if any) beyond that described will be invoiced at cost + 15%. This price assumes non-union, straight-time labor with no required prevailing wage rates. If we are required to pay prevailing wage rates, our day rate would increase accordingly. Pricing also assumes no bonding requirements.

MCD charges an eight-hour minimum workday. Crew Rates for Christmas or Thanksgiving are double our normal rate. Crew Rates for weekends, New Year's Day, Memorial Day, Fourth of July, or Labor Day are 1-1/2 times our normal rate. Equipment daily rates provided are for use during one shift that is up to eight hours long. Equipment usage during crew overtime is calculated at 1/8 the daily rate per additional hour. For equipment utilized onsite by a dive crew and self-transported, daily rates start as soon as equipment arrives onsite and ends when the equipment leaves the site. For rental equipment or equipment shipped to the jobsite, equipment rates will be invoiced portal to portal.

***Safety Training, Drug Testing, and/or Background Screening:***

Costs for any client required safety training, drug testing, and/or background screening (if any) would be reimbursable to MCD at cost plus 15%. Additionally, time to complete will be considered part of our normal workday or be invoiced at our shop rate if completed in-house.

**City of Cartersville's Responsibilities:**

City of Cartersville will be responsible for providing and/or ensuring:

- The Lock Out/Tag Out of all hazardous energy sources or differential pressure sources.
- Access to the site.
- All required permits or permissions necessary to perform the proposed work.
- Cooperation and coordination with MCD personnel to allow the work to proceed efficiently.
- Construction, removal and/or disposal of all discharge containment area and materials (if required or needed).

**Payment Terms:**

Monthly progress payments with net 30 days upon completion of the job (1½% per month finance charge will be added for payments not made within the specified terms).

This proposal will be good for 30 days and assumes that all work will be performed in 2021.

We appreciate the opportunity to provide you with this pricing. Please keep us in mind when soliciting bids for future work. We look forward to building your trust. If you have any questions regarding this project, our services, capabilities, or experience, please do not hesitate to call my office. Please visit us on-line at [www.MERCommercialDiving.com](http://www.MERCommercialDiving.com).

Sincerely,



Devin Bunnell  
Dive Operations Manager

[END OF DOCUMENT]

THANK YOU FOR CONTACTING MER COMMERCIAL DIVING DIVISION

**NOTICE TO PROCEED**

**RE: 21GABU0054 - Intake and Potable Tank Cleaning and Inspection**

\_\_\_\_\_  
City of Cartersville  
(signature)

\_\_\_\_\_  
MER Commercial Diving Division

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Physical or Email Address for Invoice

\_\_\_\_\_  
City, State and Zip Code

\_\_\_\_\_  
Purchase Order or Work Order Number (Required)

Entity signed above agrees to the terms as listed in pages 1-5 of the quote dated April 5, 2021.

[END OF SIGNATURE PAGE]