

CITY OF THREE RIVERS, MICHIGAN

SPECIFICATIONS FOR BIDS

For

Biennial ATAD Tank Cleaning

All vendors are encouraged to submit bids, which conform to the stated specifications, as well as, suggested deviations from the specifications, which in the vendor's opinion would be beneficial to the City in terms of price and performance. The City reserves the right to accept or reject any bid under these terms.

I. Instructions to Bidders.

- A. Bidding information is available on the City of Three Rivers website by contacting Doug Humbert (269) 273-5885 or at DHumbert@threeriversmi.org.
- B. Bids must be submitted in sealed envelopes, clearly marked on the outside, "**Bids for Biennial ATAD Tank Cleaning. FAX bids will not be considered.**"
- C. Bids will be received by the Office of the City Clerk, City Hall, Three Rivers, Michigan, until 11:00 AM local time, Monday, November 7, 2016. All bids will be date stamped and time marked.

II. Conditions Applicable to Bids.

- A. Applicable Laws: The Ordinances and Charter of the City and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- B. Taxes: The City of Three Rivers is exempt from Federal Excise and Michigan State Sales Tax. Prices should not include Tax.
- C. If the bidder elects to deviate from specifications stated, all exceptions or other changes must be clearly noted.
- D. The City reserves the right to reject any and all bids, waive informalities or defects in bids, accept or reject line items of the bid, or accept such bids as it shall deem to be in the best interest of the City of Three Rivers.
- E. This project is to be coordinated with other plant construction activities. Successful contractor must be able to start work no more than thirty (30) days from notification to proceed.

F. Bid prices shall be effective from 60 days of the bid opening date.

III. **Background for Biennial ATAD Tank Cleaning**

1. ATAD

ATAD is an autothermal, thermophilic, aerobic, biosolids digester. The City of Three Rivers has owned and operated an ATAD digester since 2001. The biosolids digestion process is completed by thermophilic bacteria that thrive at temperatures of 140 to 170 degrees Fahrenheit. There are two ATAD tanks. These two ATAD digesters are 45 feet in diameter and have 21 feet sidewall depth. Each has a 3-foot depth cone. Without an aerated grit removal system in the headworks, entrained grit is conveyed through the plant to the digesters. As a part of the digestion process this fine grit is released from the thickened ATAD sludge. This grit then accumulates in the ATAD digesters. To help minimize the grit's accumulation and keep system operational, staff identified the need to clean these tanks every other year.

IV. **Description of Work to be Done**

1. Rules and Regulations

All applicable Federal OSHA and State of Michigan MIOSHA rules and regulations must be followed during the execution of this project's scope of work. Contractor must comply with all applicable Federal, State and Local Environmental rules and regulations during the completion of the project.

2. THIS IS CONFINED SPACE ENTRY FOR ALL GRIT REMOVAL. CONFINED SPACE ENTRY PROCEDURES MUST BE FOLLOWED AT ALL TIMES.

3. Tank Access

All access is done through the top of the ATAD digester tanks. Staff will remove odor control duct for extension ladder insertion into these tanks. Tripod recovery must be possible at all times while personnel are inside digester tanks.

4. Solids Removal

All accumulated biosolids, grit and debris is to be pumped or vactored out and managed in the on-site former sludge drying beds. The volume of grit and debris accumulated in these two tanks is believed to be between 40 and 60 cubic yards.

In addition to the grit removal from the digester tanks, there are horizontal 6" sludge draw-off lines. These are ductile iron pipes in the bottom of each tank that have had biosolids flow restricted or blocked in them by accumulated grit. These lines will require cleaning as part of this project. These lines were constructed with 45° fittings. There are no 90° elbows. Each sludge draw-off line is approximately 90 feet long.

If contractor wants to inspect the project area please contact Doug Humbert at Dhumbert@threeriversmi.org, phone 269-273-5885 or 269-506-3886.

V. PROPOSAL TO THE CITY OF THREE RIVERS, MICHIGAN:

Bids to include total cost of the **Biennial ATAD Tank Cleaning Bid** in accordance with the specifications and plans as prepared by the Wastewater Plant Superintendent, City of Three Rivers, Michigan, for the following price:

Biennial ATAD Tank Cleaning

\$ _____

NAME OF COMPANY _____

ADDRESS _____

CITY _____

STATE _____ ZIP CODE _____

SIGNATURE _____

Signature Printed _____

TITLE _____

EMAIL _____

TELEPHONE _____

FAX _____

