

## SPECIFICATIONS

### TIME OF COMPLETION

All work shall be completed within sixty (60) days of award of contract.

### PAYMENT

Payment will be authorized for release after all paperwork has been received and approved at the Authority's Public Meeting.

### EMERGENCY CONTACTS

The bidder shall supply with his bid a listing of emergency numbers at which an authorized representative of the firm may be reached on a 24-hour basis in case of emergencies.

## DETAILED SPECIFICATIONS

### CLEANING OF 85' SECONDARY DIGESTER AND COMPLETE REMOVAL AND DISPOSAL OF DIGESTER CONTENTS

#### WORK INCLUDED

Under this section of the specification, the contractor shall furnish all labor, supervision, materials, tools, equipment and any such additional work as may be required to completely clean the 85' diameter secondary digester, remove, transport, and dispose of all digester contents in accordance with all Federal, State and Local regulations.

#### DIGESTER CLEANING

The cleaning of the digester shall be done by workmen experienced in such work and all necessary equipment shall be provided. Cleaning methods shall be approved by the Authority.

The existing digester is 85 feet in diameter. The digester is estimated to contain approximately 800,000 gallons of material to be removed by the successful Bidder. However, the Authority makes no representation as to the exact contents of the digester. It is the responsibility of the Bidders to inspect the digester and make their own determination as to its contents. The digester contains accumulations of grit and scum, sand, plastics, rags and

other materials as well as sludge. The Contractor shall make all field measurements to determine actual diameter and dimensions of existing tank prior to submitting a bid.

The Contractor shall furnish and install all pumps, fittings and hosing necessary to supply adequate water pressure to completely high pressure wash internal surfaces of the primary digester including the interior surface of the cover, walls, floor and all existing piping and supports. All surfaces of the 5' eductor tube and supports shall also be cleaned. All necessary electrical connections and wiring to bring power to any cleaning equipment shall be provided by the contractor. No additional compensation will be made for increased volume of material removed due to additional water added to the digester by the contractor in order to "soften" the material inside the digester.

#### REMOVAL OF DIGESTER CONTENTS

The Contractor shall furnish all necessary equipment, pumps, piping, hosing, pneumatic tools, high pressure water jet equipment and any additional items required to completely remove all accumulated material from the existing secondary digestion tank.

All container and vehicles brought to the site shall have capacities clearly marked on the side and no sludge removal operations shall begin without the Owner's prior approval. Trip tickets, manifests, or invoices must be signed by an authorized representative of the Authority before any container or vehicle removal and a copy of the invoice must be furnished to the Owner. All invoices must specifically indicate the quantity of sludge removed for disposal and the name of the disposal facility. **Before departure from the treatment plant, a 100 ml sample must be provided to the Authority.** Sampling containers will be supplied by the Authority. All sludge removal operations shall be conducted with strict observance of governing regulations; and with the approval of the Authority. The contractor shall provide to the Owner any permit and/or ID numbers issued by State or Federal Agencies (EPA, NJDEP, etc.) for use by the Owner for regulatory reporting purposes.

Upon completion of the work, the Authority will inspect to determine whether the work has been performed properly and that all contents have been removed from the digestion tank.

#### SLUDGE TRANSPORTATION

The Contractor shall furnish suitable means for transportation of sludge, scum, grit to an approved location for disposal. Sludge transportation shall be undertaken by the Contractor in strict accordance with local ordinances and

State and Federal regulations and guidelines, in an environmentally safe and nuisance free manner. No leakage of liquid will be allowed during transport.

The Contractor shall note that hauling sludge requires that all trucks be registered for solid waste hauling with the New Jersey Solid Waste Administration and must be licensed by the Board of Public Utilities. **For the protection of the Owner, a copy of the haulers valid A-901 license must be submitted with the bid proposal.**

#### SLUDGE DISPOSAL

Before commencing any work, the Contractor shall inform the Authority in writing as to the method of sludge disposal and shall demonstrate to the Authority that he has secured access to a specific legal disposal site and that disposal at that site is not in violation of any Federal, State or local requirements. The contractor shall also submit evidence of transportation, disposal, and other authorizations required by each state in which any portion of the performance of this contract shall take place. Disposal site must be listed on proposal page. If any change in the method sludge disposal occurs during the life of this contract, the Contractor shall again inform the Authority in advance and in writing as to the new proposed method of disposal and shall demonstrate conformance with all Federal, State and local requirements.

#### CLEAN UP AND RESTORATION

Clean up shall include, but is not necessarily restricted to proper maintenance of stored equipment, containers and materials. Any sludge, which is accidentally spilled by the Contractor during the course of the work, is to be cleaned up immediately and entire work site shall be maintained in a neat and orderly fashion. The truck loading area must be protected to prevent sludge that may be spilled from migrating to other parts of the plants, such as storm drains.

During this clean up period, the Contractor shall restore all areas damaged due to his construction activity. At the conclusion of this work, the Contractor shall remove all unused material, equipment, debris, containers, and other unwanted evidence of construction. Grass, shrubs, walks, roads and other site items damaged during sludge removal operations shall be restored to the satisfaction of the Authority.

#### LUMP SUM CONTRACT

This is a lump sum contract and no additional payment will be made to the Contractor for the addition of dilution of water in order to facilitate removal

from the digester tank. The Contractor shall visit the site and determine the volume of material that is to be removed from the tank.

#### SAFETY

The interior of the digester is a permit required confined space. Before entering the digester, the contractor shall demonstrate that they have a proper confined space entry program and employees have been properly trained. Proper ventilation shall be operated continuously and air-sampling devices with automatic alarms shall be installed before any entry is allowed. A permit system shall be utilized and an observer properly trained shall be at the entrance to the digester. **A copy of the contractor's confined space entry program must be submitted to the Authority.**

#### ADDITIONAL INFORMATION

All work shall be coordinated with the Authority. Working hours shall be between 8am and 5pm, Monday through Friday.

A site inspection is strongly recommended. If you cannot attend the visit scheduled for August 7<sup>th</sup>, please contact the Chief Operating Officer, Jim Carr at (732) 446-9300, extension 241 to make other arrangements.

## EMERGENCY PHONE NUMBERS

NAME: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NAME: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NAME: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NAME: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NAME: \_\_\_\_\_

NUMBER: \_\_\_\_\_

BID PROPOSAL FORM

SECONDARY DIGESTER CLEANING, INCLUDING COMPLETE REMOVAL AND  
DISPOSAL OF DIGESTER CONTENTS

The undersigned hereby declare(s) that he has carefully examined the specifications for the "Secondary Digester Cleaning" for the Western Monmouth Utilities Authority, for which receipts of bids has been advertised and having examined the special and general instructions to bidders and specifications on file at the Authority, will contract to furnish all labor, materials, tools, equipment, supplies and permits/licenses mentioned in said instructions and specifications in the manner prescribed therein at the lump sum given below.

The undersigned agrees to save the Western Monmouth Utilities Authority, its agents, consultants or representatives harmless with respect to any claim or claims of liability which may be incurred by reason of or in connection with the performance of said work.

It is further understood that the price herein bid is to remain firm for a period of sixty (60) days from date of award.

LUMP SUM PRICE: \$ \_\_\_\_\_

\_\_\_\_\_  
(PRICE IN WRITTEN FORM)

\_\_\_\_\_  
COMPANY NAME

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
AUTHORIZED AGENT (SIGN AND PRINT)

\_\_\_\_\_  
FEDERAL ID# OR SOCIAL SECURITY #

\_\_\_\_\_  
TELEPHONE NUMBER

\_\_\_\_\_  
EMAIL ADDRESS

\_\_\_\_\_  
DISPOSAL SITE TO BE USED

\_\_\_\_\_  
ESTIMATED COMPLETION DATE