

051-19 Appendix A - Technical Specifications
Sand/Grit Channel Cleaning and Hauling Service at Buckman WRF

INTENT

JEA is soliciting proposals for industrial services to clean/remove and dispose of approximately two thousand four hundred (2,400) tons of sand and grit annually from the sand/grit channels at Buckman Water Reclamation Facility (WRF) located at 2400 Talleyrand Ave., Jacksonville, Florida 32206. Buckman WRF has six (6) open-air sand/grit channels that are approximately two hundred (200) feet long by eight (8) feet wide with walls that are ten (10) feet tall. JEA requires three (3) channels to be cleaned at a time, quarterly, which is approximately six hundred (600) tons of sand/grit. Therefore, all six (6) channels will be cleaned twice a year.

SCOPE

The cleaning schedule will be determined by Buckman WRF plant personnel and coordinated with the awarded Contractor. The removal and cleaning of the sand and grit must be accomplished by the Contractor and must be accomplished in a timely manner (usually no more than five (5) business days) or as otherwise deemed acceptable by Buckman WRF plant manager or designee.

The Contractor shall take all reasonable actions including, but not limited to, use of overtime and shipment by expedited means, all at Contractor's expense, to meet promised delivery. The Contractor shall coordinate with JEA on the proper transmission of all procurement and shipping documents.

Cleaning and removal operations may employ a skid-steer loader and/or other effective means and equipment as agreed upon with the Buckman WRF plant personnel. It is JEA's preference that the loader is remote control operated so a person does not have to physically enter the loader while in the channel. A small roll off dump trailer or dump truck may also be employed if the size can fit within the size constraints of Buckman WRF. All prospective bidders must have adequate personnel and the necessary inventory of effectively operating equipment for performance of this work. All bidders shall provide documentation itemizing the assets available for performance of these services.

Buckman WRF operations will only permit three (3) of the six (6) channels to go offline at a time, therefore, only three (3) channels are to be cleaned per quarter. Once the three (3) channels are completely taken offline and drained, cleaning and removal work will have to be conducted within each channel. Normally, a skid-steer is lowered into each open-air channel (one at a time) and the sand/grit is then pushed to the end of the channel where there is a clamshell bucket that can be used to scoop out the material to be removed. The removed material is then loaded into a small roll off dump trailer or a small dump truck to be disposed of by the Contractor. The Contractor's personnel are required to utilize all necessary safety equipment including, but not limited to, the use of a gas meter if personnel enters the channel, to ensure the safety of their workers. The Contractor's personnel will be required to have JEA safety pre-qualification.

The Contractor is responsible for transportation of the removed material and the disposal of said material also to include all disposal fees. Removed material shall be disposed of at a landfill of the Contractor's choice and at the Contractor's expense and discretion.

All bidders will be required to attend a mandatory pre-bid meeting to inspect the sand/grit channels and normal sand and grit accumulation.

Bidders requiring additional plant specific information should contact Michael Durrett at (904) 665-8319.

HOURS

For the prevention of noise complaints from adjacent residences, work must generally begin no earlier than 7:00 AM and the last truck must be loaded no later than 3:30 PM, Monday through Saturday, without leakage or spillage from the trucks. The material will need to be properly manifested by the hauling contractor and copies provided to JEA. Trucks will not be able to enter the plant until 7:00 AM, Monday

through Saturday. If special conditions warrant, work hours outside those specified may be authorized with the approval of the manager of Buckman WRF or his designee.

REPAIR OF WORK AREAS

In the event of any damages to JEA equipment or structures, the Contractor shall replace with new or repair any damaged JEA equipment or structures immediately to the satisfaction of JEA. The intent of this paragraph is to ensure the safe and continuous operations of JEA processes.

ACCESS TO CONTRACTOR'S OPERATING RECORDS

The Contractor shall provide immediate access to its operating records as required by JEA and applicable regulatory agencies.

SPILL RESPONSE

A spill response plan shall be submitted within two (2) business days of being awarded the contract that must include, but is not limited to, the following provisions:

- The Contractor shall be responsible for responding within one hour of a spill involving its own or subcontracted vehicles and/or personnel.
- The Contractor must have equipment and personnel on site at the site of the spill within one hour and must commence cleanup operations within one hour of the spill at the Contractor's cost.

Any spill will be considered just cause for cancellation of the contract. Care must be taken when entering and leaving the plant property through the Talleyrand Gate. All materials will be loaded onto trucks by the Contractor's personnel.

FACILITY LOCATIONS

Services rendered by the Contractor will be conducted at the Buckman Water Reclamation Facility (WRF) located @ 2400 Talleyrand Ave, Jacksonville, FL 32206. All trucks must enter and exit through the Talleyrand gate. No entry is permitted through the Buckman Street Gate.

EQUIPMENT REQUIREMENTS

Contractor will own at least two (2) skid steers and two (2) small roll off dump trailer and/or dump trucks (one of each will suffice). The Contractor does not need to keep these pieces of equipment on standby status for JEA, however, in the event that JEA, requests equipment in an emergency basis, the Contractor shall not commit these assets to other projects until the JEA emergent work has been completed.

WORK AND QUANTITIES

On the bid form, the total price given should be a total of the amount based on a unit price per quarterly clean up and the unit price per ton of hauling and disposal. Please note that payment for mileage, travel time or mobilization fees are not allowed (cost for those items should be factored in the price quotes). The bid form will be based on a unit price for cleaning/removal of the sand and grit quarterly and a separate unit price for the hauling/disposal, which is price per ton of materials removed.

LIQUIDATED DAMAGES

The Contractor is required respond within one (1) business day of notification with the agreed upon number of trucks and equipment to complete the cleaning/removal & disposal of the accumulated sand and grit, excluding Sundays and holidays, after being notified by the Buckman WRF plant personnel there is a quarterly service needed. If the Contractor fails to meet the time limits described herein, Liquidated Damages shall be assessed in accordance with the following:

Beginning three (3) months after contract execution, if the Contractor fails to meet requested timeframes, excluding Sundays and Holidays, the Contractor shall be considered late and there will be a ten percent (10%) reduction of the total cost of the invoice starting on the second (2nd) business day of no show. Note: Exceptions may be considered by JEA on a case by case basis.

The Contractor understands and agrees that said reduction is to be paid not as a penalty, but as compensation to JEA as fixed and reasonable liquidated damages for losses that JEA will suffer because of such late performance, whether through increased administrative and engineering costs, interference with

JEA's normal operations, other tangible and intangible costs, or otherwise, which costs will be impossible or impractical to measure or ascertain with any reasonable specificity.

Liquidated damages may, at JEA's sole discretion, be deducted from any monies held by JEA that are otherwise payable to the Contractor. The Contractor's responsibility for liquidated damages shall in no way relieve the Vendor of any other obligations under the contract.