

TECHNICAL SPECIFICATIONS
FOR
DEWATERED BIOSOLIDS (SEWAGE SLUDGE) HAULING SERVICES
(ITB# 23-008-00130)

1. PURPOSE AND INTENT

The sole purpose and intent of this Invitation to Bid is to establish a term contract for hauling and proper disposal of dewatered biosolids (i.e., sewage sludge) from Loxahatchee River Environmental Control District's (LRECD's) Wastewater Treatment Plant (WWTP), and to establish a firm fixed price based upon cost per mile (\$/mile).

Loading Point

The "Loading Point" is defined as LRECD's WWTP located at 2500 Jupiter Park Drive Jupiter, Florida 33458

- a. Loading at this facility shall be twenty-four (24) hours per day, seven (7) days per week.
- b. Hauling from the facility shall generally occur Monday through Saturday. Only under special conditions will hauling occur Sunday. No extra compensation shall apply for Sunday's.
- c. LRECD generally processes and dewateres biosolids overnight. Bidders will be required to transport dewatered biosolids from LRECD's WWTP to the Disposal Site between the hours of 6:30 am to 10:00 am.

Disposal Sites

Disposal of dewatered biosolids shall be in accordance with the most recent Federal, State, and local regulations. If the successful bidder is found in violation of any regulations promulgated by the Department of Environmental Protection, Environmental Protection Agency, Florida Department of Transportation or any other Federal, State or local Regulatory Agency, the bidder shall be solely responsible for any and all fines and penalties.

Primary Biosolids Disposal Site:

Dewatered biosolids shall primarily be transported, in Contractor supplied trailers, to Solid Waste Authority's (SWA) Biosolids Processing Facility (BPF) located at 6600 45th Street, West Palm Beach, FL 33412, and/or to SWA's landfill facilities located on Jog Road

immediately adjacent to the SWA BPF. It is agreed that the total round trip distance from LRECD's WWTP site to the primary biosolids disposal site is thirty-two (32) miles.

LRECD shall be responsible for all tipping fees incurred by the successful bidder charged by SWA. SWA tipping fees will be paid directly by LRECD. The successful bidder shall submit a copy of each disposal ticket with their detailed and itemized monthly invoice.

Alternate Biosolids Disposal Sites:

Alternatively, dewatered biosolids may be transported on very infrequent occasions, in Contractor supplied trailers, to an undesignated alternate disposal site located within a round trip distance of one-hundred and twenty (120) miles from the LRECD WWTP.

When such prior authorization is given, LRECD shall be responsible for all tipping fees, and will pay them directly. The bidder shall be solely responsible for any tipping fees incurred without prior authorization from LRECD.

Estimated Biosolids Hauling Requirements

Bid pricing shall be based on a typical annual average dewatered biosolids production of 12,000 wet tons (approximately 14 to 16% solids concentration) with a typical biosolids load weight (i.e., not including trailer weight) of 25 wet tons. It is common for a total of two (2) trailers to be hauled in a single day, up to six (6) days per week. On rare occasions, with advanced coordination between the Contractor and LRECD, three (3) trailers may need to be hauled in a single day.

Successful Bidder's Furnished Equipment

The successful bidder shall have a minimum of four (4) thirty (30) cubic yard capacity aluminum dump frame trailers, equipped with leak-proof tailgates for the LRECD. Trailers shall be returned to the LRECD Loading Point within eight (8) hours after picking it up from the plant. The successful bidder shall have the trailers available at start of contract. All trailers are to have a non-porous roll cover over the bed of the trailer to ensure the water will not enter the trailer. The trailer cover shall be a "Shur-Loc" handle operated type cover with a rear fabric cap (or approved alternate). The cover shall be capable of keeping water from entering the trailer and shall be operational for one (1) person. These trailer covers are critical to the operation of the drying facility, failure to maintain these covers will cause rain to enter the trailer and cost the LRECD additional tipping fees. The successful bidder will be responsible for all additional costs and regulatory agency fines due to improperly used and/or poorly maintained covers. Trailers will also contain a non-stick liner to prevent dewatered biosolids from sticking to the trailer bed.

- a. Trailers shall be in good working condition with efficient and effective operation of all features and systems. Trailers shall be subject to inspection and approval by the LRECD staff. All problems with trailers shall be repaired within 72-hours. If trailer cannot be repaired within 72-hours, the successful bidder shall supply another trailer within 72-hours at no additional cost to the LRECD.
- b. Trailers shall be the same size and wall height and shall be maintained by the successful bidder for efficient and effective operation. The LRECD will not be responsible for the repair, replacement and/or maintenance of trailer landing gear function, brakes, brake hook-up lines, tires, tailgate hooks, etc., while in use as part of the Contract.
- c. It shall be the responsibility of the successful bidder to clean up any dewatered biosolids which escapes from the trailers once biosolids have been loaded into a trailer.
- d. All trailers shall be compatible with LRECD's on-site tandem axle, 5th wheel tractor, International Model 4900 654.
- e. Upon receipt of a properly submitted invoice the LRECD will make payment within 30-days of receipt. The LRECD will accept monthly invoices by the successful bidder.

2. SUCCESSFUL BIDDERS RESPONSIBILITIES

- a. Successful bidder shall transport and dispose of dewatered biosolids to the primary biosolids disposal site unless directed to haul to an alternate disposal site by LRECD's Plant Manager.
- b. Successful bidder is responsible for prompt pick up of trailers, i.e., within 2 hours of a scheduled pick up or within 4 hours of a request for pick up. Successful bidder shall be considered in default of the contract if a loaded trailer is not removed from LRECD's WWTP site within the specified pick-up window.
- c. Any problems caused by the successful bidder's drivers, which affect the timely removal and disposal of dewatered biosolids, shall be corrected immediately upon notification from LRECD's Plant Manager or Chief Wastewater Treatment Plant Operator including the replacement of drivers, if necessary.
- d. Successful bidder is responsible for securing tailgates and covers on trailers before leaving LRECD's WWTP site.
- e. Successful bidder shall, upon disposal of each load, provide the Chief Wastewater Treatment Plant Operator, trip tickets showing date, time, trailer number, trailer weight, etc.

- f. Each month the successful bidder shall invoice LRECD for payment based upon the unit price submitted in the bidders Bid Response form. Hauling costs shall be itemized on a daily basis on each monthly invoice.

- g. The successful bidder recognizes that effectively emptying a trailer at the biosolids disposal site is a key element of performance. If trailers are returned to LRECD's WWTP with more than 0.25-yards of dewatered biosolids remaining in them, the bidder acknowledges they may be required to weigh in and weigh out of the Disposal Site. Furthermore, if trailers are frequently returned to LRECD's WWTP with more than 0.5-yards of dewatered biosolids remaining in them, the bidder acknowledges that the bidder will be required to return to the Disposal Site to fully empty a trailer at the bidders own cost.