

COUNCIL ACTION FORM

SUBJECT: WATER POLLUTION CONTROL FACILITY 3-YEAR BIOSOLIDS HAULING PROJECT

BACKGROUND:

The City of Ames Water Pollution Control Facility (WPCF) produces approximately 30,000 gallons of Class II biosolids each day. Throughout the year, biosolids are stored in the facility's biosolids storage lagoon and secondary digester and ultimately disposed of by land application as fertilizer on City-owned farm ground adjacent the WPCF. The bulk of the land application occurs in the fall after crops have been harvested; however, some land application is performed throughout the year to maintain adequate storage capacity. Primary hauling in the fall is conducted by a contracted hauler and periodic hauling throughout the year is performed by City staff.

The current 3-year Biosolids Hauling contract expires on June 30, 2019. The FY 2019/20 operating budget includes \$100,000 for this work. Since the exact number of gallons disposed may vary from year to year, the work is bid on a unit price basis.

In a typical year, between 1.75 and 2 million gallons are removed from the storage lagoon. The bid specifications included up to 2.5 million gallons (approximately 25% additional quantities). This is because the work takes place in a very short window each fall. Having the additional quantity authorized will allow the work to proceed without the need to suspend work to obtain change order approval from Council to adjust quantities. The bid specifications also included up to 175,000 gallons to be removed from the digester.

On April 1, 2019, a request for proposals was issued for a new three-year biosolids hauling contract. Two bid submittals were received.

Bidder	Lagoon		Digester		Total Bid Amount
	Mobilization/ Demobilization	Unit Price per Gallon	Mobilization/ Demobilization	Unit Price per Gallon	
Nutri-Ject Systems, Inc.	\$2,000.00	\$0.0224	N/C	\$0.1456	\$83,480.00
Customized Environmental Solutions, Inc.	\$5,000.00	\$0.0335	\$5,000.00	\$0.0335	\$99,612.50

The prices listed above are for FY 2019/20. The amount charged will be based on the actual quantities of biosolids disposed. For both proposals, the increase in the cost for the second and third year will be based on the Construction Cost Index. Nutri-Ject Systems, Inc. of Hudson, Iowa, was determined to be the lowest responsible, responsive bidder. Nutri-Ject Systems, Inc. completed the WPCF's previous biosolids hauling and disposal project to staff's satisfaction.

ALTERNATIVES:

1. Award the FY 2019/20 contract for biosolids disposal to Nutri-Ject Systems, Inc. of Hudson, Iowa, with reimbursement based on the unit prices bid of \$2,000.00 lump sum for mobilization/demobilization, \$0.0224 per gallon for annual lagoon biosolids hauling operations, \$0.1456 per gallon for annual digester biosolids hauling, and with the total contract amount not to exceed \$83,480.00.
2. Award the FY 2019/20 contract for biosolids disposal to Customized Environmental Solutions, Inc.
3. Reject the bids and direct staff to purchase the additional equipment necessary to perform the work with City staff.

MANAGER'S RECOMMENDED ACTION:

Disposal of biosolids at the WPC Facility is necessary for uninterrupted operation of the facility and continued compliance with the facility's NPDES permit. Nutri-Ject Systems, Inc. is the low bidder for this work. Nutri-Ject System, Inc. has demonstrated its ability to complete the work under this project by successfully completing prior biosolids hauling work for the City of Ames.

Therefore it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving a contract with Nutri-Ject Systems, Inc. Since the actual amount of solids may vary, the total contract shall be in an amount not to exceed \$83,480 with actual reimbursement based on the unit prices bid and actual quantity of solids disposed.