



Agenda Action Form Overview

The Board is requested to authorize the County Manager to enter into a contract amendment to increase the existing contract with McGill Environmental Systems, Inc. (FR# 19-177) for the transport and disposal of wastewater treatment plant residuals (RFP 17-023) in the amount of \$8,877.98, bringing the total contract amount from \$252,920.00 to \$261,797.98 and to execute any other related contracts, including amendments, not to exceed \$265,000.

Background/Justification

The Triangle Wastewater Treatment Plant (TWWTP) produces sludge during treatment which is mostly water containing some amounts of solid material. TWWTP operates three centrifuges which remove water to reduce weight and volume, in turn reducing disposal cost. Currently, TWWTP produces 20 – 22% solid residuals for transport to McGill Environmental Systems, Inc. to be further processed into compost. This disposal method is the most environmentally friendly option, as the other options are to incinerate or bury in a landfill.

McGill Environmental provides trailers that are filled by a conveyor with the solid residuals. Once a trailer is full, it is transported by McGill Environmental Systems, Inc. to their composting facility in New Hill, North Carolina. McGill Environmental Systems, Inc. processes the sludge to a stabilized Class A Exceptional Quality compost that meets or exceeds the requirements of 40 CFR Part 503. The Class A Exceptional Quality compost is then distributed for use by professional landscapers and turf grass managers, landscape supply yards, and storm water/erosion control contractors and retail lawn and garden centers throughout the Carolinas and Virginia.

The amount of sludge produced is proportional to the amount and concentration of wastewater treated. Sludge production has increased in the past year due to the increasing residential development. Domestic wastewater contains higher concentrations of organic materials which produces more sludge during wastewater treatment. During FY18, TWWTP produced 1174 dry metric tons or 6,811 wet metric tons. For the first nine (9) months of FY19, TWWTP has produced 936 dry metric tons or 5,434 wet metric tons. Due to the increase of production of sludge, we have increased the trailer loads of residuals from six to eight trailers to ten to twelve trailers per week.

Policy Impact

This action is in accordance with Durham County Strategic Plan Goal 4: “Environmental Stewardship and Community Prosperity,” as this ensures we are complying with State and Federal regulations as well as protecting the environment. No additional policy impacts are expected.

Procurement Background

Type of purchase

- ☐ Goods
- ☒ Services
- ☐ Architect, Engineer or Surveyor Services
- ☐ Construction and Repair



Did this request for purchase go through a bid process? Yes ☐ No ☒

Goods: Bids required if $\geq \$30,000$, BOCC approval if $\geq \$90,000$

Services: Bids required if $\geq \$30,000$, BOCC approval if $> \$40,000$

Construction/Repair work: Bids required if $\geq \$30,000$, BOCC approval if $\geq \$500,000$

If yes, attach a copy of bid tab and the minority and women business enterprise (MWBE) compliance review form provided by the Purchasing Division.

If no, why?

- ☐ Sole source exemption
- ☐ Cooperative purchasing program exemption
- ☐ State and federal contract exemption
- ☒ Contract is an amendment to an existing contract
- ☐ Other (please explain)

If exempted from bidding, has this request been reviewed and approved by the Purchasing Division in the agenda Legistar system? Yes ☐ No ☐

If no, why?

Fiscal Impact

The costs will be funded from the Enterprise Fund's operating budget.

Recommendation

The County Manager recommends the Board authorize the County Manager to enter into a contract amendment to increase the existing contract with McGill Environmental Systems, Inc. (FR# 19-177) for the transport and disposal of wastewater treatment plant residuals (RFP 17-023) in the amount of \$8,877.98, bringing the total contract amount from \$252,920.00 to \$261,797.98 and to execute any other related contracts, including amendments, not to exceed \$265,000.