



Agenda Action Form Overview

The Board is requested to authorize the County Manager to enter into a service contract with Evoqua Water Technologies, LLC for collection system odor and corrosion control services (RFP 19-035), with a total contract price of \$75,539. This contract may be extended yearly, for up to four additional one-year periods in accordance with the terms and conditions of the original contract and subject to budget availability.

Background/Justification

Historically Durham County has used a combination of calcium nitrate tetrahydrate and calcium ammonium nitrate to minimize the generation of hydrogen sulfide gases produced by bacteria in the sewer system. To further decrease total effluent nitrogen at the Triangle Wastewater Treatment Plant (TWWTP), staff investigated several technologies to eliminate intentional introduction of nitrate compounds into the wastewater. In December of 2017, TWWTP staff completed a pilot program to demonstrate the effectiveness of hydrogen peroxide to control hydrogen sulfide generation. The initial results of the pilot study indicated hydrogen peroxide would be able to provide an equal amount of protection against sulfide generation when compared to the calcium nitrate solutions. In addition, hydrogen peroxide does not introduce any additional nitrate or ammonia into the collection system that must be removed at the TWWTP.

RFP No. 19-035 was advertised April 9, 2019, and proposals received May 9, 2019. Evoqua Water Technologies, LLC was the lowest bidder and will provide all equipment and operate the chemical feed system, thus freeing up Durham County staff for other operations and tasks.

Odor and corrosion control services will occur at the Slater Road Pump Station and Stirrup Iron Pump Station.

Policy Impact

This action is in accordance with Durham County Strategic Plan Goal 4: “Environmental Stewardship and Community Prosperity,” as this will provide odor and corrosion control within the wastewater collection system resulting in an increase in the useful life of pump stations and gravity sewer lines, thus minimizing the risk of system failures due to corrosion.

Procurement Background

Type of purchase

- ☐ Goods
- ☒ Services
- ☐ Construction Work

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



Durham County Government
Agenda Action Form Supplemental Document – Contract Approval

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 contract with Evoqua Water Technologies LLC will be funded from the Enterprise Fund.

Recommendation

The County Manager recommends the Board to authorize the County Manager to enter into a service contract with Evoqua Water Technologies, LLC for the collection system odor and corrosion control services, with a total contract price of \$75,539.