



**Agenda Action Form Overview**

The Board is requested to authorize the County Manager to enter into a contract amendment to increase the existing purchase of goods contract with Polydyne, Inc. (FR# 19-406) for polymer (IFB 18-042) in the amount of \$5,399.20, bringing the total contract amount from \$85,000 to \$90399.20, and to execute any other related contracts, including amendments, not to exceed \$101,784.20.

**Background/Justification**

The Triangle Wastewater Treatment Plant (TWWTP) utilizes several different chemicals to meet on-going operations. To meet the parameters of the National Pollutant Discharge Elimination System (NPDES), we must supplement wastewater treatment with chemicals to meet stringent effluent requirements. Currently, we are utilizing polymer to de-water waste activated sludge (WAS). Wasting activated sludge is necessary to maintain a healthy biological environment.

Previously, polymer C6256 was used but during the bid in early 2018, a different product was recommended at a lower price that was supposed to work as well. The polymer that has been used this fiscal year, Clarifloc SE1331, has proven not to work as well. After several conversations with Polydyne, Inc., they have agreed that shipments of polymer going forward will be product C6256 at the same bid price of \$0.99 per pound.

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 which has increased the usage of polymer. Polymer is used during the centrifuge process to coagulate suspended solids which allows for a higher percentage of dry solids. Removing water from the solids reduces weight and volume, in turn reducing disposal cost.

**Policy Impact**

This action is in accordance with Durham County Strategic Plan Goal 4: “Environmental Stewardship and Community Prosperity,” as these chemicals are necessary for the Triangle Wastewater Treatment Plant to meet all permit limitations as specified in the facility’s NPDES permit.

**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  $\geq \$500,000$*

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?

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**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 purchase of goods contract with Polydyne, Inc. (FR# 19-406) for polymer (IFB 18-042) in the amount of \$5,399.20, bringing the total contract amount from \$85,000 to \$90399.20, and to execute any other related contracts, including amendments, not to exceed \$101,784.20.