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**TO:** Board of Contracts and Awards  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services  
John O'Loughlin, Assistant Director, Environmental Services  
**COPY:** City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,  
Samol Hefley, Finance/Purchasing, and Stuart Magoon, Operations Assistant  
Division Manager  
**SUBJECT:** Liquid Polyaluminum Chloride for the Treatment of Wastewater at the City's  
Wastewater Treatment Plants - Request for Bids Specification No. ES18-0404F –  
December 18, 2018  
**DATE:** November 30, 2018

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**RECOMMENDATION SUMMARY:**

The Environmental Services, Operations and Maintenance Division, recommends a contract be awarded to Kemira Water Solutions, Inc., Lawrence, KS, in the amount of \$260,000, sales tax not applicable, for an initial two-year term, with the option to renew for three additional one-year terms, for a cumulative contract total of \$650,000, budgeted from the Environmental Services Wastewater Fund 4300, for the purchase of liquid polyaluminum chloride used in treating wastewater at the City's wastewater treatment plants.

**STRATEGIC POLICY PRIORITY:**

- Assure outstanding stewardship of the natural and built environment.

Suspended solid material from the wastewater stream has a negative effect on the health of the Puget Sound. The use of liquid polyaluminum chloride to remove suspended solids from wastewater assures outstanding stewardship of the natural environment.

**BACKGROUND:**

**ISSUE:** By permit, the City of Tacoma is limited on the amount of suspended solids allowed to be released into the Puget Sound. The use of a high performance primary coagulant, such as liquid polyaluminum chloride, is required to remove suspended solids from the wastewater stream as part of the wastewater treatment process. This contract will assure that the City discharges wastewater effluent that contributes to healthy neighborhoods and a thriving Puget Sound.

**ALTERNATIVES:** An alternative to awarding this contract is to reject all bids and re-bid; however, delaying this process/purchase may put the City at risk of violating its National Pollutant Discharge Elimination System (NPDES) Wastewater permit.



**COMPETITIVE SOLICITATION:**

Request for Bids Specification No. ES18-0404F was opened on October 30, 2018. Eight companies were invited to bid in addition to normal advertising of the project. Three submittals were received, and Kemira Water Solutions, Inc. submitted the lowest bid. The table below reflects the amount of the total award.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
<b>Kemira Water Solutions, Inc.</b>	<b>Lawrence, KS</b>	<b>\$650,000.00</b>
Northstar Chemical, Inc.	Sherwood, OR	\$710,000.00
Chemtrade Chemicals US, LLC	Parsippany, NJ	\$1,221,000.00

Pre-bid Estimate: \$600,000

The recommended award is 8.3 percent above the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: The NPDES Wastewater permit requires the removal of suspended solids from the wastewater stream before discharging effluent into the Puget Sound.

SBE/LEAP COMPLIANCE: Not applicable.

**FISCAL IMPACT:**

**EXPENDITURES**

<b>FUND NUMBER &amp; FUND NAME *</b>	<b>COST OBJECT (CC/WBS/ORDER)</b>	<b>COST ELEMENT</b>	<b>TOTAL AMOUNT</b>
ES Wastewater Fund 4300	525100	5216070	\$650,000
<b>Total</b>			<b>\$650,000</b>

**REVENUES:**

<b>FUNDING SOURCE</b>	<b>COST OBJECT (CC/WBS/ORDER)</b>	<b>COST ELEMENT</b>	<b>TOTAL AMOUNT</b>
ES Wastewater Fund 4300	523900	4343150	\$650,000
<b>Total</b>			<b>\$650,000</b>

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$30,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A

Funding beyond the current biennium is subject to future availability of funds.

Funds are included in the 2019-2020 Biennium Budget.

No budget modifications are required.