



# MEMORANDUM

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**TO:** Mayor and City Councilors  
**FROM:** Rich Olson, City Manager  
Paul Fredette, Director of Public Works  
**DATE:** May 9, 2013  
**REF:** Consideration – Award of FY 2013-2014 Chemical Bids

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***BACKGROUND:***

Annually, the City solicits bids for the purchase of chemicals used at the Water Treatment Plant (WTP) and Wastewater Treatment Plant (WWTP). For the upcoming fiscal year (FY 13/14), chemical bids were received through the purchasing office.

***ANALYSIS:***

The following is a summary of the low bidders for the chemicals. Attached is the Bid/Quote Summary as prepared by purchasing, which shows all the bids received.

*Univar USA, Inc., Suffolk, VA*

Ammonium Hydroxide \$610.00 / 18 dry tons  
Sulfur Dioxide \$97.50 / 150 lb. Cylinder / 144 Qty.

*Jones Chemicals, Milford, VA*

Liquid Chlorine \$650.00 / 57 Tons

*SNF Polydyne, Riceboro, GA*

Liquid Polymer \$517.50 / 55 gal. Drums / 40 Qty.  
Dry Polymer \$99.00 / 55 lb bag / 25 Qty.

*Lhoist North America, Ripplemead, VA*

Hydrate Lime \$182.14 / 930 Tons

*Geo Specialty, Little Rock, AR*

Liquid Aluminum Sulfate \$379.00 / 200 Tons

*Starling Water Technologies, LLC, Columbia, TN*

Sodium Hexametaphosphate \$61.10 / 50 lb. bags / 90 Qty.

*Water Guard, Inc., Wilson, NC*

Hydrofluorosilicic Acid \$157.50 / 55 Gal. Drums / 40 Qty.

*\*Airgas Carbonics, Dallas, TX*

Liquid Carbon Dioxide \$265.65 / 30 tons

\*No Quotes received from any vendors for Liquid Carbon Dioxide  
Airgas Carbonics agreed to hold last year's quote for FY 13-14.

The following is an estimated break down of the chemicals used and the estimated cost for the FY 13/14 at both the WTP and the WWTP.

Chemical	Units	Unit Cost	Water Plant		Waste Water Plant	
			Est. Quantity	Est. Cost	Est. Quantity	Est. Cost
Aqua Ammonia	Ton, dry	\$610.00	18	\$10,980.00		
Liquid Chlorine	Ton	\$650.00	33	\$21,450.00	24	\$15,600.00
Liquid Carbon Dioxide	Ton	\$265.65	30	7,969.50		
Sodium Hexametaphosphate	Bag	\$61.10	90	\$5,499.00		
Liquid Aluminum Sulfate	Ton, dry	\$379.00	200	\$75,800.00		
Dry Anionic Polymer	Bag	\$99.00	25	\$2,475.00		
Hydrofluorosilicic Acid	Drum	\$157.50	40	\$6,300.00		
Hydrate Lime	Ton	\$182.14	800	\$145,712.00	130	\$23,678.20
Liquid Polymer	Drum	\$517.50			40	\$20,700.00
Sulfur Dioxide	150 lb/ cyl	\$97.50			144	\$14,040.00
<b>Totals:</b>				<b>\$276,185.50</b>		<b>\$74,018.20</b>

The Finance Committee discussed this matter during their meeting held on May 8, 2013 and recommends approval.

**STAFF RECOMMENDATION:**

By motion, award chemical purchases to the low bidders for the chemical use at the WTP and WWTP as follows:

Univar USA, Inc., Suffolk, VA

Water Treatment Plant - \$10,980.00  
Wastewater Treatment Plant - \$14,040.00

Lhoist North America, Ripplemead, VA

Water Treatment Plant - \$145,712.00  
Wastewater Treatment Plant - \$23,678.20

Geo Specialty, Little Rock, AR

Water Treatment Plant - \$75,800.00

Sterling Water Technologies, Columbia, TN

Water Treatment Plant - \$5,499.00

Jones Chemicals, Milford, VA

Water Treatment Plant - \$21,450.00  
Wastewater Treatment Plant - \$15,600.00

SNF Polydyne, Riceboro, GA

Water Treatment Plant - \$2,475.00  
Wastewater Treatment Plant - \$20,700.00

Water Guard, Wilson, NC

Water Treatment Plant - \$6,300.00

Airgas Carbonics, Dallas, TX

Water Treatment Plant - \$7,969.50

CITY OF ELIZABETH CITY

BID / QUOTE SUMMARY

Bid No. 04252013WWTC Opening Date 04/25/2013 Time 10:00am

Material or Service Water & Wastewater Treatment Chemicals

Bidder/Address	Bond Check	Item 1 Hydrate Lime Ton	Item 2 Alum Dry Ton	Item 3 Sodium Hex Bag	Item 4 Dry Polymer Bag	Item 5 Liquid Polymer Drum	Item 6 Sulfur Dioxide Cyl	Item 7 Liquid Chlorine 4 ton Orders	Item 8 Hydrofluosilicic Acid	Item 9 Ammonium Hydroxide	Item 10 Liquid Carbon Dioxide
Brenntag Southeast, Inc Durham, NC 27703	Bid Bond			\$6,300.00 \$70/bag					\$ 7,986.00 199.65/drum	\$ 15,648.00 652.00/ton	
Mississippi Lime Co St Louis, MO 63127	Bid Bond	\$239,010.00 257.00/ton									
Water Guard, Inc. Wilson, NC 27894	Check \$315.00								\$6,300.00 157.50/drum		
Univar USA Inc. Chester, VA 23836	Bid Bond	\$173,631.00 186.70/ton	\$84,600.00 423.00/ton	\$10,440.00 116.00/50lb bag	\$3,585.00 119.50/bag	\$21,888.00 547.20/drum	\$14,040.00 97.50/cylinder		\$8,800.00 220.00/55gal drum	\$14,640.00 610.00/ton	
Geo Specialty Chemicals Little Rock, AR 72206	Bid Bond		\$75,800.00 379.00/ton								
JCI Jones Chemicals, Inc. Milford, VA 22514	Bid Bond										
Sterling Water Technologies LLC Columbia, TN 38402	Bid Bond			\$5,499.00 61.10/bag			\$14,400.00 100.00/cylinder	\$37,050.00 650.00/cylinder			
General Chemical Parsippany, NJ 07054-3705	Bid Bond		\$89,600.00 448.00/ton								
Lhoist North America Ripplemead, VA 24150	Bid Bond	\$169,390.20 182.14/ton									
Polydyne, Inc. Riceboro, GA 31323	Bid Bond				\$2,475.00 99.00/bag	\$20,700.00 517.50/drum					
Carus Corp Peru, IL 61354	Bid Bond			Late Bid							

Date: 04/25/2013

Recorder: Joy M. Yount

Copy of form to be forwarded to Director of Finance and Department upon completion along with a listing of vendors receiving requests for proposals. All bid tabulation forms over \$30,000 must be typed.