

Memorandum Public Works Department



To: City Manager
Subject: Water Treatment Chemical Purchases - 2013
Date: November 29, 2012
Number: 2012-275

On November 27, 2012 the Bi-State Regional Commission Joint Purchasing Council awarded bids for water treatment chemicals to be purchased in the coming year. Attached is a copy of the bid results for your review. The two non-bid items from the Pristine Hydrochemical division of Met-Pro are included. These are proprietary blend coagulants used in the clarification process.

The projected chemical costs for the coming year are slightly lower than last year's projection. Ultimately, chemical optimization will be a priority in order to continue to lower chemical costs. Below is a summary of the water treatment chemicals to be purchased.

<u>ITEM</u>	<u>VENDOR</u>	<u>QUANTITY/UNIT PRICE</u>	<u>TOTAL</u>
Aluminum Sulfate	USALCO	550 tons @ \$469.57/ton	\$258,263.50
Anhydrous Ammonia	Tanner Industries	35,000 lbs @ \$0.79/lb	\$27,650.00
Carbon	F2 Industries	10 tons @ \$1,048.00/ton	\$10,480.00
Caustic Soda	K. A. Steel Chemicals	185 tons @ \$540.00/ton	\$99,900.00
Chlorine	Brenntag Mid-South	75 tons @ \$392.00/ton	\$29,400.00
Hydrofluosilic acid	Alexander Chemical	85,000 lbs @ \$0.28/lb	\$23,800.00
PHI-66121 Polymer	Met Pro Corporation	22,500 lbs @ \$1.92/lb	\$43,200.00
PHI-100 Polymer	Met Pro Corporation	9000 lbs @ \$1.75/lb	\$15,750.00
Potassium Permanganate	Marubeni Specialty Chemicals, Inc	12,000 lbs @ \$1.965/lb	\$23,580.00
Phosphoric Acid	Prayon, Inc.	45,000 lbs @ \$0.525/lb	\$23,625.00
TOTAL BID:			\$555,648.50

Recommendation

The Public Works Department recommends that the City Council accept the bids for the items listed above and authorize them for purchase in 2013.

Account Chargeable:

Fund:	501	Water Operations/Maintenance
Division:	618	Utilities Services
Cost Center:	352	Water Treatment Plant
Object Code:	52217	Treatment Chemicals

Requisition Number:

Purchase Order Number:

Submitted by: Robert T. Hawes, P.E., Assistant City Manager/Public Works Director
Larry P. Cook, Utilities Superintendent/Water Treatment Plant Supervisor

Approved by: Thomas Thomas, City Manager

Water Treatment Chemicals with Awarded Vendors – October 29, 2012 - Bid opening

Awarded vendors are in bold/yellow.

SUPPLIER	COST PER UNIT	TOTAL
1. Aluminum Sulfate (Alum) - Bulk tank truck		
USALCO-Michigan City Plant, LLC	\$469.57/dry ton	\$657,398.00
General Chemical Performance Products	\$548.00/dry ton	\$767,200.00
2. Anhydrous Ammonia - Bulk tank truck		
Tanner Industries, Inc.	\$0.79/lb.	\$65,570.00
3. Anthracite Filter Coal - 1 ton bulk sacks on flatbed truck		
Carbonite Filter Corporation	\$333.00/ton	\$8,330.00
4. Anthracite - Crushed, in suitable heavy-duty cloth, paper or polyethylene bags		
Carbonite Filter Corporation	\$0.182/lb.	\$4,732.00
5. Caustic Soda - bulk tank truck		
K.A. Steel Chemicals, Inc.	\$540.00/dry ton – see notes on minimum load	\$164,700.00
Alexander Chemical Corporation	\$620.00/dry ton	\$189,100.00
Brenntag Mid-South, Inc.	\$620.00/DST	\$189,100.00
Vertex Chemical Corporation	\$630.00 – alternate option: \$590/ton firm; 2013 Q1 with quarterly revision thereafter	\$192,150.00
Rowell Chemical Corporation	\$700.00/dry ton	\$213,500.00
6. Activated Carbon - bulk truck in loads of 30,000 pounds		
Norit Americas, Inc.	\$0.565/lb. – Hydrodarco W.	\$67,800.00
Thatcher Company of Montana	\$0.594/lb.	\$71,280.00
F2 Industries, LLC	\$0.623/lb.	\$74,760.00
Jacobi Carbons, Inc.	\$0.747/lb.	\$89,640.00
Standard Purification	\$0.76/lb. – no less than 25,000 lbs.	\$91,200.00
Calgon Carbon Corporation	\$1.30/lb.	\$156,000.00
7. Activated Carbon - 50 lb. bags palletized and plastic wrapped for fork lift		
F2 Industries, LLC	\$0.524/lb. – PaCarb+700	\$31,440.00
Thatcher Company of Montana	\$1,098.00/ton	\$32,940.00
Norit Americas, Inc.	\$1,220.00/ton – Hydrodarco W.	\$36,600.00
Jacobi Carbons, Inc.	\$1,354.00/ton	\$40,620.00
Standard Purification	\$0.70/lb. – no less than 25,000 lbs.	\$42,000.00
Prominent Systems, Inc.	\$1,540.00/ton	\$46,200.00
Calgon Carbon Corporation	\$2,600.00/ton	\$78,000.00

8. Activated Carbon - bulk truck loads not to exceed 20,000 lbs.		
Norit Americas, Inc.	\$0.625/lb. – Hydrodarco W. (See note from City of Moline on pg 4.)	\$93,750.00
Standard Purification	\$0.84/lb. – no less than 20,000 lbs.	\$126,000.00
Calgon Carbon Corporation	\$1.35/lb.	\$202,500.00
9. Chlorine (Gas) 150 lb. Cylinders		
Alexander Chemical Corporation	\$47.50/150 lb. cylinder	\$14,155.00
Brenntag Mid-South, Inc.	\$0.378 – no sales to East Moline Pool	\$16,896.00
Viking Chemical Corporation	\$.3976/lb. – no sales to East Moline	\$17,772.72
Hawkins, Inc.	\$0.42/lb.	\$18,774.00
10. Chlorine (Sodium Hypochlorite 15%) – 4,500 gallon loads		
K.A. Steel Chemicals, Inc.	\$0.627/gallon – see notes on minimum load	\$122,265.00
Vertex Chemical Corporation	\$0.72/gallon	\$140,400.00
Alexander Chemical Corporation	\$0.89/gallon	\$173,550.00
Brenntag Mid-South, Inc.	\$0.90/gallon	\$175,500.00
Rowell Chemical Corporation	\$0.90/gallon	\$175,500.00
11. Chlorine (Liquid) - truck load lots varying from 2 to 6 one-ton cylinders		
Brenntag Mid-South, Inc.	\$392.00/ton	\$59,192.00
Alexander Chemical Corporation	\$399.00/ton	\$60,249.00
12. Citric Acid - lots of 5-10, 100 lb. bags		
Viking Chemical Corporation	\$1.04/lb. – 50 lb. bag	\$2,704.00
Harcros Chemicals, Inc.	\$1.06/lb. – 50 lb. bag	\$2,756.00
Brenntag Mid-South, Inc.	\$1.16/lb.	\$3,016.00
Interstate Chemical Company	\$1.20/lb.	\$3,120.00
13. Copper Sulfate - lots of 20-30, 50 lb. bags		
BioSafe Systems	\$1.34/lb. – GreenClear Pro	\$8,174.00
Harcros Chemicals, Inc.	\$1.65/lb.	\$10,065.00
Chemrite, Inc.	\$1.79/lb.	\$10,919.00
Brenntag Mid-South, Inc.	\$2.23/lb.	\$13,603.00
Interstate Chemical Company	\$3.30/lb.	\$20,130.00
14. Hydrofluosilicic Acid - bulk tank truck		
Hawkins, Inc.	\$0.38 – East Moline only	\$28,500.00
Viking Chemical Corporation	\$0.39/lb. – East Moline only	\$29,250.00
Alexander Chemical Corporation	\$0.28/lb.	\$66,500.00

14. Hydrofluosilicic Acid – bulk tank truck continued		
Pennco, Inc.	\$0.304 – full truckload orders only – approx 45,000 lbs.	\$72,200.00
Key Chemical, Inc.	\$609.60/ton or \$0.3048/lb.	\$72,390.00
15. Hydrofluosilicic Acid - 15 gallon buckets		
Brenntag Mid-South, Inc.	\$4.32/gallon	\$3,175.20
Hawkins, Inc.	\$4.50/gallon	\$3,307.50
Viking Chemical Corporation	\$5.00/gallon	\$3,675.00
Harcros Chemicals, Inc.	\$5.80/gallon	\$4,263.00
Interstate Chemical Company	\$6.114/gallon	\$4,680.00
16. Lime - bulk trucks of 50,000 pound loads		
Mississippi Lime Company	\$164.50/ton	\$156,275.00
Carmeuse Lime, Inc.	\$0.87615 - \$175.23/dry ton – 24 ton minimum	\$166,468.50
Lhoist North America of Missouri, Inc.	\$211.50 – additional fuel surcharge based on rate at time of shipment applies. Material per attached spec sheet.	\$200,925.00
17. Liquid Carbon Dioxide – Tank Supply		
Continental Carbonic Products, Inc.	\$0.034 (\$68.00/ton) – subject to a 20 ton minimum. See additional information on the bottom of page 1 of bid form.	\$12,750.00
Linde, LLC	\$0.0375/lb. – firm price	\$14,062.50
18. Liquid Ferric Sulfate 18%+++ - bulk tank truck, 4,500 gallon loads		
Kemira Water Solutions, Inc.	\$0.1039	\$29,611.50
General Chemical Performance Products, LLC	\$0.1149	\$32,746.50
19. Magnesium Bisulfite - lots of approximately four to eight - 30 gallon plastic drums		
Brenntag Mid-South, Inc.	\$0.36	\$5,400.00
20. Potassium Permanganate - lots of ten -110 lb. (50Kg) drums		
Marubeni Specialty Chemicals, Inc.	\$1.965/lb. / \$108.075/55 gallon drum	\$7,270.50
Viking Chemical Corporation	\$1.99/lb.	\$7,363.00
American International Chemical	\$2.15/lb. – can offer 55 gallon drums	\$7,955.00
Brenntag Mid-South, Inc.	\$3.17/lb.	\$11,729.00
Harcros Chemicals, Inc.	\$3.25/lb.	\$12,025.00

21. Potassium Permanganate – 55lb drum (25Kg pails) with handles		
BioSafe Systems	\$1.75/lb. – GCPRO as alternate – 50 lb. pail (Does not meet specs)	\$26,775.00
Marubeni Specialty Chemicals, Inc.	\$1.965/lb. / \$108.075/55 gallon drum	\$30,064.50
Viking Chemical Corporation	\$1.99/lb.	\$30,447.00
F2 Industries, LLC	\$2.19/lb. – Moline \$2.07/lb. – Rock Island K-OX	\$32,067.00
Chemrite, Inc.	\$2.14/lb.	\$32,742.00
American International Chemical	\$2.15/lb.	\$32,895.00
Interstate Chemical Company	\$2.76/lb.	\$42,228.00
Brenntag Mid-South, Inc.	\$3.17/lb.	\$48,501.00
Harcros Chemicals, Inc.	\$3.25/lb.	\$49,725.00
22. Aqua Mag – 55 gallon drums		
F2 Industries, LLC	\$0.617/lb. LOP-1700	\$2,321.154
Hawkins, Inc.	\$0.64/lb. – LPC-AM is our trade name, equal to Aqua-Mag	\$2,407.68
Carus Corporation	\$0.66/lb. Aqua-Mag	\$2,482.92
Shannon Chemical Corporation	\$0.777/lb.	\$2,923.07
Brenntag Mid-South, Inc.	\$0.88/lb.	\$3,310.56
23. Phosphoric Acid – Bulk tank truck		
Prayon, Inc.	\$0.525/lb.	\$23,625.00
F2 Industries, LLC	\$0.539/lb. PA-5800	\$24,255.00
Carus Corporation	\$0.59/lb.	\$26,550.00
Shannon Chemical Corporation	\$0.593/lb.	\$26,685.00
Interstate Chemical Company	\$0.66/lb.	\$29,700.00
Brenntag Mid-South, Inc.	\$0.67/lb.	\$30,150.00
Harcros Chemicals, Inc.	\$0.67/lb.	\$30,150.00

Notes: Item #6 - City of Moline - reserves the right to cancel if the product does not perform adequately or proves to be incompatible with the City's eductor unloading system as outlined in the specifications.

- No Bids**
1. C&S Chemicals
 2. NALCO
 3. Praxair
 4. Solvay Fluorides

Water Chemical Bid Opening – October 29, 2012