

**BIDS FOR WATER TREATMENT CHEMICALS  
FOR THE CITY OF SPRINGFIELD  
BID NO. 955**

Please quote on the following chemicals to be delivered as needed to the Springfield Water Plant:

All prices shall be good for the calendar year 2016

All chemicals must be approved by the EPA and/or be listed with the National Sanitation Foundation (NSF) for use in the treatment of potable water and meet specified requirements as listed for each individual chemical.

See attachment for plant storage capacity and estimated yearly usage:

The following items are to be bid at cost per pound:

**Liquid Aluminum Sulfate (tanker load)**

Product shall be bid per pound dry weight.

Deliveries shall be received within 3 days of order being placed.

**Aluminum Chlorohydrate EC-409**

Must have the ability to fill 1,300 gallon tank from bulk delivery.

Deliveries must be received within 2 days of order being placed.

**Chlorine Gas (ton cylinders)**

Bidder must have an emergency response team

**Hydrated Lime (50 lb. bags)**

**Hydrofluorosilicic Acid 23-25% (50 gallon drums or refill drums from bulk delivery)**

**Activated Carbon (either 40 or 50 pound bags).**

Delivery shall not be greater than 30 bags per pallet

**Potassium Permanganate (25 kg pails)**

Product must be manufactured in the USA

**Polyphosphate (bulk delivery as needed)**

Orders shall be received within 1 week of order being placed.

Polyphosphate must meet the following specifications:

<i>Ph</i>	5.0 –6.0
<i>Specific Gravity @ 25 degrees C</i>	1.36
<i>Total Phosphate (as PO4)</i>	36%
<i>Poly/Ortho Ratio</i>	70:30
<i>Lbs. per gallon</i>	11.5

Bids shall be awarded per line item with the possibility of awarding to more than one (1) bidder.

Bidder shall pay any freight charges including surcharges for delivery to the water plant.

If the performance of any product, or the supply and/or delivery of any product under this contract prove deficient, in the sole opinion of the City, the City reserves the right to revoke the contract.

### **ESTIMATED ANNUAL USAGE AND STORAGE CAPACITY**

<b>Chemical</b>	<b>Estimated usage/yearly</b>	<b>Storage capacity</b>
Liquid alum (aluminum sulfate)	62,220 gallons 333,500 lbs. dry wt.	7,200 gallons 38,500 lbs. dry wt.
Chlorine gas	65,735 lbs. 33 tons	4 ton cylinders
Hydrated lime	3,250 lbs. 65 (50 lb.) bags	2500 lbs. 50 (50 lb.) bags
Hydrofluorosilicic Acid 23-25%	49,169 lbs. 89 (50 gallon) drums	5,500 lbs. 10 (50 gallon) drums
Activated carbon	15,640 lbs. 313 (50 lb.) bags or 391 (40 lb.) bags	30 (40 or 50 lb. bags)
Potassium Permanganate	6,807 lbs. 136 (25 kg) pails	15 (25 kg) pails
Polyphosphate	4,100 gallons	900 gallons
Aluminum Chlorohydrate EC-409	16,879 gallons	1,300 gallons