MEMORANDUM

To: Craig City Council & Administration
From: Mark Sollenberger/Water & Wastewater Director
Date: January 17, 2019
Re: Chemical bids review and recommendations.

Below are my recommendations for which chemical companies to award bids to, for the 2019 process chemicals to be used at the water and wastewater plants. Sixteen bid packets were sent out to various chemical suppliers. The city received nine bids, and one no bid response on January 15, 2019. All of my recommendations are for the lowest bid that meets all requirements of the specifications.

Item A. PACL/ACH 1158 or CC2215 (Bulk) – to CalChem the lowest bid*. (Alt: 820B & CC2220) (Bulk) – to CalChem the lowest bid*. (*This bid did meet the bid specifications for prequalifying this chemical) Item B. Salt - to Snyder & Counts Feed the lowest bid. Item C. Soda Ash - to Thatcher Chemical the lowest bid. Item D. Chlorine (ton cylinder) - to Thatcher Chemical the lowest overall bid. Item F. Potassium Permanganate – to Shannon Chemical Corp. the lowest bid. Item G. Sodium Fluorosilicate – to Thatcher Chemical the lowest bid. Item H. Powdered Activated Carbon – to Thatcher Chemical the lowest bid. Item J. Filter Aid Polymer – to Thatcher Chemical the lowest/only bid. Item K. Calcium Hypochlorite – to Thatcher Chemical the lowest overall bid. Item K. Calcium Hypochlorite – to Thatcher Chemical the lowest/only bid. Item L. Sodium Hypochlorite – to Thatcher Chemical the lowest/only bid. Item M. Ammonium Sulfate Solution 40% - to Thatcher Chemical the lowest/only bid.

I've attached a bid tabulation sheet for your convenience, and have highlighted (in yellow) my award recommendations.

Chemical Bid Tabulation Sheet

Number in Price/lb (Unless otherwise noted) NB = No Bid Yellow = Accepted Bid

| Chemical | Thatcher | DPC | Snyder & Counts Feed | Summit Research Labs | CalChem | DuBois | UNIVAR | ActiCarb | OXBOW | Shannon | Chemrite Inc. |
|--|-----------|------|----------------------------|----------------------------|---------|--------|--------|----------|-------|---------|------------------|
| A-PACL./ACH 1158 or 2215 | NB | NB | NB | 0.377 | 0.356 | NB | NB | NB | NB | NB | NB |
| (alt) 820B or CC2220 | NB | NB | NB | 0.404 | 0.382 | NB | NB | NB | NB | NB | NB |
| B- Salt | 0.1027 | NB | 0.102 | NB | NB | NB | NB | NB | NB | NB | NB |
| C- Soda Ash | 0.254 | NB | NB | NB | NB | 0.2785 | NB | NB | NB | NB | NB |
| D- Chlorine (Ton) | 0.755* | 0.75 | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| E-Sulfur Dioxide (Ton) | 0.887* | 0.9 | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| F-Potassium Permanganate | 2.98 | NB | NB | NB | NB | NB | NB | NB | NB | 2.87 | 2.94 |
| G-Sodium Fluorosilicate | 1.07 | NB | NB | NB | NB | NB | NB | NB | NB | NB | 1.12 |
| H- Powdered Act. Carbon | 1.259 | NB | NB | NB | NB | NB | NB | 1.35 | NB | NB | NB |
| I- Coagulant Aid - Polymer | 3.2 | NB | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| J-Filter Aid - Polymer | 3.2 | NB | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| K-Calcium Hypochlorite T/G | 2.10/2.10 | NB | NB | NB | NB | NB | NB | NB | NB | NB | 2.35/1.95 |
| L- Sodium Hypochlorite | 2.34/gal | NB | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| M- Ammonium Sulfate Sol | 2.24/gal | NB | NB | NB | NB | NB | NB | NB | NB | NB | NB |
| Note*: Since DPC indicated they wanted both the chlorine and sulfur dioxide bid or none at all. Thatcher chemical is the combined low bid. | | | | | | | | | | | |