MEMORANDUM

To: Craig City Council & Administration
From: Mark Sollenberger/Water & Wastewater Director
Date: January 22, 2020
Re: Chemical bids review and recommendations.

Below are my recommendations for which chemical companies to award bids to, for the 2020 process chemicals to be used at the water and wastewater plants. Sixteen bid packets were sent out to various chemical suppliers. The city received eight bids, and one no bid response on January 21, 2020. All of my recommendations are for the lowest bid that meets all requirements of the specifications, with one exception. (*See Note Below)

Item A. PACL/ACH *1158* or CC2215 (Bulk) – to CalChem the **lowest bid**.
(Alt: 820B & CC2220) (Bulk) – to CalChem the **lowest bid**.
(This bid has met the bid specifications for prequalification of this chemical)
Item B. Salt - to Snyder & Counts Feed the **lowest bid**.
Item C. Soda Ash - to Dubois Chemical the **best quality product***.
Item D. Chlorine (ton cylinder) - to Thatcher Chemical the **lowest bid.**
Item E. Sulfur Dioxide (ton cylinder) - to Thatcher Chemical the **lowest bid.**
Item F. Potassium Permanganate – to Chemrite Inc the **lowest bid.**
Item G. Sodium Fluorosilicate – to Chemrite Inc. the **lowest bid**.
Item H. Powdered Activated Carbon – to Chemrite Inc. the **lowest bid.**
Item I. Coagulant Polymer – to Thatcher Chemical the **lowest/only bid**.
Item J. Filter Aid Polymer – to Thatcher Chemical the **lowest/only bid.**
Item K. Calcium Hypochlorite - to Chemrite Inc. the **lowest 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.

Note*: (Item C) The soda ash supplied by Dubois Chemical is by far a much better quality soda ash than what is supplied by Thatcher Chemical. It is a technical grade chemical which allows for better chemical feed performance, it dissolves very well, and does not have the clumping problems that we have encountered in the past with just the dense soda ash that is supplied by Thatcher Chemical. There is only a minimal cost difference between the two soda ashes, which amounts to about 4.5 cents per 50# bag, or roughly $11/year total. The staff time saved with not having to break up the clumps that are formed in the dense soda ash bags so that it will feed through the chemical hopper properly, in my opinion more than justifies going with the higher bidder in this instance.

Year 2020

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	Kemira	OXBOW	Shannon	Chemrite Inc.
A-PACL./ACH 1158 or 2215	NB	NB	NB	0.378	0.348	NB	NB	NB	NB	NB	NB
(alt) 820B or CC2220	NB	NB	NB	NB	0.378	NB	NB	NB	NB	NB	NB
B-Salt	0.1239	NB	0.1046	NB	NB	NB	NB	NB	NB	NB	NB
C-Soda Ash	0.27	NB	NB	NB	NB	0.27089	NB	NB	NB	NB	NB
D-Chlorine (Ton)	0.7375	0.75	NB	NB	NB	NB	NB	NB	NB	NB	NB
E-Sulfur Dioxide (Ton)	0.8774	0.9	NB	NB	NB	NB	NB	NB	NB	NB	NB
F-Potassium Permanganate	NB	NB	NB	NB	NB	NB	NB	NB	NB	2.74	2.67
G-Sodium Fluorosilicate	1.07	NB	NB	NB	NB	NB	NB	NB	NB	NB	1.05
H- Powdered Act. Carbon	1.259	NB	NB	NB	NB	NB	NB	NB	NB	NB	1.23
I- Coagulant Aid - Polymer	3.3	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
J-Filter Aid - Polymer	3.3	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
K-Calcium Hypochlorite T/G*	2.81/2.81	NB	NB	NB	NB	NB	NB	NB	NB	NB	2.10/1.95
L- Sodium Hypochlorite T/D*	2.37/6.35	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
M- Ammonium Sulfate Sol T/D*	4.29/8.00	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB

*Note: Item K - T/G = tablet or granular on a cost per pound basis. Items L & M - T/D = tote or drum on a cost per gallon basis.