



City of Grand Island

Tuesday, April 14, 2015

Council Session

Item G-10

**#2015-90 - Approving Award of Proposal for Polymer for
Primary/Final Clarifier Sludge**

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Marvin Strong PE, Wastewater Treatment Plant Engineer

Meeting: April 14, 2015

Subject: Approving Award of Proposal for Polymer for Primary/Final Clarifier Sludge

Item #'s: G-10

Presenter(s): John Collins PE, Public Works Director

Background

A Request for Proposals (RFP) to supply polymer for the primary/final clarifier sludge was advertised in the Grand Island Independent on August 11, 2014. The RFP was also sent to three (3) potential proposers by the Wastewater Division of the Public Works Department.

Three (3) proposals were received and opened on September 30, 2014. All three (3) responding suppliers confirmed they would honor their proposal past the ninety (90) days from proposal due date and were selected to provide polymer and conduct onsite testing at the Wastewater Treatment Plant (WWTP).

- Consolidated Water Solutions of Omaha, Nebraska
- Polydyne, Inc. of Riceboro, Georgia
- Chemtreat Virginia of Glen Allen, Virginia

Discussion

Proposals were evaluated and ranked based upon the following criteria, using the weight percentages assigned to each element.

- Vendor experience with product – 25%
- Delivery time – 15%
- Jar testing performance report (jar testing done within previous 12 months is acceptable – 30%
- Performance; Cost per dry ton – 30%

The evaluation team consisted of the WWTP Operations Engineer and Biosolids Technician. WWTP staff is in mutual agreement that the polymer selection and optimal

performance setup have been achieved by Consolidated Water Solutions of Omaha, Nebraska. The polymer supplied and tested by Consolidated Water Solutions is the most cost effective in terms of Operator handling time and polymer expense per dry ton cake produced and is also more stable. Different dewatering conditions can be handled by using one product with this polymer.

The polymer supplied and tested from Chemtreat Virginia of Glen Allen, Virginia is the least cost effective, as the expense of the polymer per tons of dry sludge generated is the highest among all the polymers that were tested. Polydyne, Inc. of Riceboro, Georgia supplied polymer to be tested which wasn't able to handle different dewatering conditions by using one product, which complicates operations. In addition the performance of the product is not stable and consistent as observed during the test period.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve the award of the proposal to Consolidated Water Solutions of Omaha, Nebraska.

Sample Motion

Move to approve the award.



Stacy Nonhof, Purchasing Agent

*Working Together for a
Better Tomorrow, Today*

**REQUEST FOR PROPOSAL
FOR
POLYMER FOR PRIMARY/FINAL CLARIFIER SLUDGE**

RFP DUE DATE: September 30, 2014 at 4:00 p.m.

DEPARTMENT: Public Works

PUBLICATION DATE: August 9, 2014

NO. POTENTIAL BIDDERS: 3

SUMMARY OF PROPOSALS RECEIVED

Consolidated Water Solutions
Omaha, NE

Polydyne, Inc.
Riceboro, GA

ChemTreat Virginia
Glen Allen, VA

cc: John Collins, Public Works Director
Mary Lou Brown, City Administrator
Stacy Nonhoff, Purchasing Agent

Catrina DeLosh, PW Admin. Assist.
Jaye Monter, Finance Director
Scott Sekutera, Storm Water Technician

P1762

RESOLUTION 2015-90

WHEREAS, on August 11, 2014 a Request for Proposals (RFP) was advertised in the Grand Island Independent to supply polymer for the primary/final clarifier sludge; and

WHEREAS, on September 30, 2014 three (3) proposals were received and opened; and

WHEREAS, all three (3) responding suppliers confirmed they would honor their proposal past the ninety (90) days from proposal due date and were selected to provide polymer and conduct onsite testing at the Wastewater Treatment Plant (WWTP), and

WHEREAS, after extensive testing required to compare the product Consolidated Water Solutions of Omaha, Nebraska has shown the best value in testing of their polymer in the Belt Filter Press facility based on cost per ton of solids processed; and

WHEREAS, Consolidated Water Solutions will honor the price of \$1.48 per pound from April 15, 2015 through April 14, 2016, with the possibility of a 5% increase in each of Year 2 and Year 3.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the supply of a manufactured polymer form Consolidated Water Solutions of Omaha, Nebraska, in the amount of \$1.48 per pound from April 15, 2015 through April 14, 2016 for supply and services in Sludge Dewatering Polymer for the Belt Filter Press process is hereby approved as the manufactured liquid polymer proposed for the best value per ton of solids processed.

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Adopted by the City Council of the City of Grand Island, Nebraska, April 14, 2015.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
April 13, 2015	☐ City Attorney