



# City of Grand Island

Tuesday, June 24, 2008

Council Session

## Item G10

**#2008-167 - Approving Bid Award for Sludge Dewatering Polymer  
for Belt Filter Presses at the Waste Water Treatment Plant**

Staff Contact: Steven P. Riehle, City Engineer/Public Works Direc

# **Council Agenda Memo**

**From:** Steven P. Riehle, Public Works Director

**Meeting:** June 24, 2008

**Subject:** Approving Bid Award for Sludge Dewatering Polymer for Belt Filter Presses at the Waste Water Treatment Plant

**Item #'s:** G-10

**Presenter(s):** Steven P. Riehle, Public Works Director

## **Background**

The City of Grand Island, Waste Water Division opened invitations to formal bids to supply Polymer for use in the sludge dewatering process on March 3, 2008. The three responding suppliers were selected to provide polymer and conduct onsite adjustments to make-up equipment and process equipment for optimal performance testing at the facility, listed are:

1. Consolidated Equipment Co., Product Ashland K148L, Week of April 14<sup>th</sup>
2. SNF Polydyne, Inc., Product Clarifoc 1195, Week of March 10<sup>th</sup>
3. Nalco Company, Product Nalco 71300, Week of March 24<sup>th</sup>

An Operational meeting on May 8, 2008 opened with discussion centered on the supplier polymer testing that has taken place to date and the performance of the various polymers. Consensus of the City of Grand Island personnel at the meeting is that the polymer selection and the optimal performance setup have been achieved. The finalized polymer performance and cost calculations were complete on May 30, 2008.

## **Discussion**

Historically documented, Ashland polymer provides a quality performance characteristic that meets a broad range of flexibility in Belt Filter Press sludge dewatering. The other tested products, Nalco and Polydyne both showed acceptable performance results.

The average tested polymer cost per dry ton of solids processed during the testing period is as follows:

1. Ashland K148L: \$ 34.20
2. Polydyne 1195: \$ 32.28
3. Nalco 71300: \$ 25.19

It is the recommendation of staff at the Waste Water Facility to offer an agreement for the supply of Nalco 71300 Polymer to Nalco Company, of Naperville, Illinois for use in the belt filter press sludge dewatering process as the best value per dry ton of solids processed for remaining fiscal year 2007/2008, with continued resolution for fiscal year 2008/2009 with satisfactory performance documented in the outcome of fiscal year 2007/2008 results.

The staff also recommends an annual expenditure based on firm unit prices with Consolidated Equipment Company, of Omaha, Nebraska for Ashland K148L to be retained in the belt filter press sludge dewatering process at the discretion of operations as a secondary alternate because this polymer provided the widest range of flexibility when loadings at the Waste Water Treatment Plant were high.

### **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 bid award for NALCO 71300 polymer and an annual expenditure with Consolidated Equipment Company.

### **Sample Motion**

Move to approve the bid award for NALCO 71300 polymer and an annual expenditure with Consolidated Equipment Company.

Purchasing Division of Legal Department  
**INTEROFFICE MEMORANDUM**



Dale M. Shotkoski, Assistant City Attorney

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Better Tomorrow, Today*

**BID OPENING**

**BID OPENING DATE:** March 3, 2008 at 11:00 a.m.

**FOR:** Sludge Dewatering Polymer

**DEPARTMENT:** Public Works

**ESTIMATE:** \$392,200.00 Current Fiscal Year  
\$647,130.00 Next Fiscal Year

**FUND/ACCOUNT:** 53030052-85535

**PUBLICATION DATE:** February 15, 2008

**NO. POTENTIAL BIDDERS:** 8

**SUMMARY**

<b>Bidder:</b>	<u>Nalco Company</u> Naperville, IL	<u>Consolidated Equipment Co.</u> Omaha, NE
<b>Exceptions:</b>	Noted	None
<b>Bid Price:</b>	\$263,213.16 (2008) \$414,604.98 (2009)	\$361,065.60 (2008) \$586,675.20 (2009)
<b>Bidder:</b>	<u>SNF Polydyne, Inc.</u> Riceboro, GA	<u>Water Solve, LLC</u> Grand Rapids, MI
<b>Exceptions:</b>	Noted	Noted
<b>Bid Price:</b>	\$258,704.00 (2008) \$388,056.00 (2009)	\$355,591.20 (2008) \$533,386.80 (2009)

cc: Steve Riehle, Public Works Director  
Ben Thayer, WWTP Superintendent  
Dale Shotkoski, City Attorney  
Sherry Peters, Legal Secretary

Bud Buettner, Assist. PW Director  
Catrina Delosh, PW Admin. Assist.  
Wes Nesper, Assist. City Attorney  
Jeff Pederson, City Administrator



RESOLUTION 2008-167

THAT WHEREAS, Advertisement to Bidders for Sludge Dewatering Polymer was published in the Grand Island Daily Independent on February 15, 2008; and

WHEREAS, the City of Grand Island, Public Works Department, Waste Water Division has concluded testing of proposed Sludge Dewatering Polymer for the Belt Filter Press process; and

WHEREAS, Consolidated Equipment Company, of Omaha, Nebraska being the supplier of a manufactured liquid polymer, such being labeled Ashland K148L; and

WHEREAS, Consolidated Equipment Company, of Omaha, Nebraska has shown best performance range, historically and in testing of foresaid polymer in the Belt Filter Press facility based on variable ranges of solids processed; and

WHEREAS, Nalco Company, of Naperville, Illinois being the supplier of a manufactured liquid polymer, such being labeled Nalco 71300; and

WHEREAS, Nalco Company, of Naperville, Illinois has shown best value in testing of foresaid proposed polymer in the Belt Filter Press facility based on cost per ton of solids processed; and

WHEREAS, Nalco Company, of Naperville, Illinois in accordance with the terms of the advertisement of bids and specifications and all other statutory requirements contained therein for supply of a manufactured liquid polymer product, such being in the amount of \$ 0.99 per pound for current fiscal year thru 30 September 2008; and

WHEREAS, Nalco Company, of Naperville, Illinois in accordance with the terms of the advertisement of bids and specifications and all other statutory requirements contained therein for supply of a manufactured liquid polymer product, such being in the amount of \$ 1.04 per pound for fiscal year 1 October 2008 thru 30 September 2009; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the supply of a manufactured polymer; Nalco 71300, in the amount of \$ 0.99 per pound for current fiscal year and \$1.04 per pound for next fiscal year for supply and services in Sludge Dewatering Polymer for the Belt Filter Press process is hereby approved as the primary manufactured liquid polymer proposed for the best value per ton of solids processed; and

NOW, THEREFORE, BE IT FURTHER RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the supply of a manufactured liquid polymer; Ashland K148L in the annual expenditure amount of \$63,000.00 for current fiscal year thru 30 September 2008; and in the annual expenditure amount of \$ 100,000.00 for fiscal year 1 October 2008 thru 30 September 2009 for supply

Approved as to Form	☐	_____
June 20, 2008	☐	City Attorney

and services in Sludge Dewatering Polymer for the Belt Filter Press process is hereby approved as a secondary manufactured liquid polymer proven in solids processing; and

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute a non-inclusive agreement for such proposed Sludge Dewatering Polymer for the Belt Filter Press process on behalf of the City of Grand Island with Nalco Company, of Naperville, Illinois as the primary supplier.

BE IT FURTHER RESOLVED, that an annual expenditure with Consolidated Equipment Company is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, June 24, 2008.

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Margaret Hornady, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
June 20, 2008	☐ City Attorney