



# City of Grand Island

Tuesday, July 10, 2012

Council Session

## Item G7

**#2012-177 - Approving Change Order #1 - Uranium Removal  
System Equipment at the Uranium Removal Water Treatment  
Plant - Water Remediation Technologies**

Staff Contact: Tim Luchsinger, Jason Eley

# **Council Agenda Memo**

**From:** Timothy G. Luchsinger, Utilities Director  
Jason Eley, Assistant City Attorney

**Meeting Date:** July 10, 2012

**Subject:** Uranium Removal Water Treatment Plant –  
Equipment Procurement Change Order  
Water Remediation Technology

**Item #'s:** G-7

**Presenter(s):** Timothy G. Luchsinger, Utilities Director

## **Background**

The City's municipal water system is supplied primarily from its Platte River Well Field. This well field is comprised of 21 wells and a pumping station. Testing for State regulatory requirements indicated composite uranium levels to be approaching the Maximum Containment Level (MCL) established by the EPA. Uranium is not an acute concern but rather is a chronic concern over a lifetime of exposure, and sampling and testing of the Grand Island water system thus far show full compliance with the EPA regulation. Testing of individual wells for uranium has indicated most wells exceed this MCL. To allow use of these wells during high water system demand periods, additional piping was installed in the past year for blending with lower uranium concentration wells.

Recent testing of uranium concentrations in the wells indicated a trend towards increasing levels, reducing the effectiveness of well blending to reduce overall levels, therefore, based on Department recommendations, the Utilities Department was authorized by Council on February 22, 2011, to proceed with the procurement and installation of the large scale pilot uranium removal system. Based on the multiple phase structure of the uranium engineering services RFP, HDR, the City's consultant on this project, was asked to provide specifications to issue for bids for an adsorptive media pilot plant.

## **Discussion**

The contract for the Uranium Removal Water Treatment Plant – Equipment Procurement was approved by Council on July 26, 2011, to Water Remediation Technology for of \$1,958,100.00 with an annual payment of \$786,450.00 for ten years. During the design of the well pump upgrades, it was determined that the flow signal from the Water

Remediation Technology would be used to control the flow through the system. This required the addition of a signal splitter to communicate the flow back to the City of Grand Island Water SCADA system. The cost for this change was \$1,440.00.

During installation of equipment by Judd's Brothers, additional materials, and re-work of supplied piping were needed to finish the assembly. The amounts include: Labor \$540.90; Equipment Use \$80.00; Material \$803.06; Welding Subcontractor \$765.00; and Overhead \$218.90. These changes to City of Grand Island contract with Judds Brothers are at the expense of WRT for the amount of \$2,407.86. Also to complete the installation, the Department had to provide new sensing lines for two valves for a cost of \$348.00, also at the expense of WRT. These changes will have a net decrease to the contract with WRT of \$1,315.86, or a final contract amount to \$1,956,784.14.

### **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 Council approve the changes to the contract for Uranium Removal Water Treatment Plant – Equipment Procurement of a net deduct of \$1,315.86, for a total contract amount of \$1,956,784.14.

### **Sample Motion**

Move to approve Change Order #1 to the contract for Uranium Removal Water Treatment Plant – Equipment Procurement to Water Remediation Technology of a net deduct of \$1,315.86, for a final contract amount of \$1,956,784.14.



*Working Together for a  
Better Tomorrow. Today.*

**TO:** Water Remediation Technology, LLC  
9500 W. 49th Avenue, Suite D100  
Wheat Ridge, CO 80033  
303-424-5355

**PROJECT:** Uranium Removal Water Treatment Plant - Equipment Procurement

You are hereby directed to make the following change in your contract:

- 1 Additional payment per the attached spreadsheet.

DEDUCTION -\$1,315.86

<b>The original Contract Sum</b>	<u>\$1,958,100.00</u>
<b>Previous Change Order Amounts</b>	<u>\$ -</u>
<b>The Contract Sum is increased by this Change Order</b>	<u>                    </u>
<b>The Contract Sum is decreased by this Change Order</b>	<u>\$ (1,315.86)</u>
<b>The total modified Contract Sum to date</b>	<u>\$ 1,956,784.14</u>

Approval and acceptance of this Change Order acknowledges understanding and agreement that the cost and time adjustments included represent the complete values arising out of and/or incidental to the work described therein.

**APPROVED: CITY OF GRAND ISLAND**

By: \_\_\_\_\_

Date \_\_\_\_\_

Attest: \_\_\_\_\_

\_\_\_\_\_  
Approved as to Form, City Attorney

**ACCEPTED: WATER REMEDIATION TECHNOLOGY, LLC.**

By: \_\_\_\_\_

Date \_\_\_\_\_

**Uranium Removal Water Treatment Plant - Equipment Procurement**

Comments: Addition of flow signal and Decrease of Judds Brothers reworking piping.

**Contract:**

**\$1,958,100.00**

<u>Change Order Request</u>	<u>Description</u>	<u>Amount</u>
001	Flow Signal Splitter	\$ 1,440.00
002	Judd's Brothers rework of supplied piping	\$ (2,407.86)
003	City of Grand Island to provide new sensing lines	\$ (348.00)
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009	During the design of the well pump upgrades, it was determined that the flow signal from WRT would be used to control the flow through the system. This required the addition of a signal splitter to communicate the flow back to the City of Grand Island Water SCADA system for an additional cost of \$1,440.00.	
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013	During installation of equipment by Judd's Brothers, additional materials, and rework of supplied piping were needed finish the assembly. The amounts include Labor \$540.90, Equipment Use \$80.00, Material \$803.06, Welding Subcontractor \$765.00, and Overhead \$218.90. These changes are a change to City of Grand Island contract with Judds Brothers to be passed onto Water Remediation Technology. Total Change order amount \$2,407.86. Also during installation, City of Grand Island had to provide new sensing lines for two valves for a cost of \$348.00. These changes will have a net decrease to the contract with Water Remediation Technology of \$1,315.86. This brings the final contract amount to \$1,956,784.14.	
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	Total	\$ (1,315.86)

RESOLUTION 2012-177

WHEREAS, Water Remediation Technology of Wheat Ridge, Colorado, was awarded the contract for the Uranium Removal Water Treatment Plant – Uranium Removal System Equipment, at the July 26, 2011 City Council meeting; and

WHEREAS, an additional flow signal splitter was provided by Water Remediation Technology at a cost of \$1,440; and

WHEREAS, during installation of equipment, additional materials and re-work of supplied piping were needed by the City in the amounts of: Labor \$540.90; Equipment Use \$80.00; Material \$803.06; Welding Subcontractor \$765.00; Overhead \$218.90; new line sensing lines for two valves \$348.00; to finish the assembly; and

WHEREAS, these changes result in a net decrease in the final contract of \$1,315.86.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with Water Remediation Technology of Wheat Ridge, Colorado, resulting in a decreased cost of \$1,315.86, for a final contract amount of \$1,956,784.14, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 10, 2012.

\_\_\_\_\_  
Jay Vavricek, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 6, 2012	☐ City Attorney