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**WATER POLLUTION CONTROL**

**MEMORANDUM**

To: Gregg Mandsager, City Administrator

From: Roger Kirby, Director WPCP

Date: February 14, 2011

Re: WPCP Plant Renovation Project Change Order # 6

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**INTRODUCTION:** Attached is Change Order # 5 for our WPCP renovation project. This change order provides for an increase of \$53,784 in the contract price.

**BACKGROUND:** There are a total of nine modifications included with this change order. There has not been a change order since September of 2010. The majority of these changes are either electrical or control issues. We had to do a considerable amount of extra testing to confirm the need to change the transformers feeding the plant plus the extra costs to actually change the transformers. There was also a need to modify the odor control cover so we have access to monitor each of the lift stations. Some of these items are related to control functions which have changed since the original design because we are attempting to eliminate a 24/7 staffing of the plant, so the pay back will be a very short period when you don't have to pay someone to be on sight.

**RECOMMENDATION/RATIONALE:** We have approved these changes and I recommend the city council accept this change order for \$53,784. Please include this item on the agenda for the February 17th Council Meeting.

**BACKUP INFORMATION:**

The total for all change orders including this one will be about \$95K or less than .6%. Typically construction change orders will be in the 8-10% range, so this is far less than those amounts. I feel very confident that there will be no surprises with any large change orders before completion of the project.



**VEENSTRA & KIMM, INC.**

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515-225-8000 • 515-225-7848(FAX) • 800-241-8000(WATS)

February 11, 2011

**CHANGE ORDER NO. 6**

MUSCATINE, IOWA  
WATER POLLUTION CONTROL PLANT IMPROVEMENTS

This change order is to document 9 modifications to the construction contract for the Water Pollution Control Plant Improvements. The modifications included in this change order are for additions and deletions of work to the contract. Compensation for the Contractor for each of the items is based on the Contractor's Proposal as reviewed, negotiated and approved. Modifications to the contract included in Change Order No. 6 are as shown on Attachment A.

Change Order No. 6 to the contract for the Water Pollution Control Plant Improvements provides for an increase of \$53,784 in the contract price.

**WILLIAMS BROS. CONSTRUCTION INC.**

By Martin K. McLaw

Title PROJECT MANAGER

Date 02/14/11

**CITY OF MUSCATINE, IOWA**

By Richard W. O'Brien

Title Mayor

Date 02/17/2011

**VEENSTRA & KIMM, INC.**

By JAMES C. LORENCE

Title Project Manager

Date 2/11/11

**ATTEST:**

By Jessie M. [Signature]

Title City Clerk

Date 02/17/2011

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**FEB 14 2011**

**WILLIAMS BROTHERS  
CONSTRUCTION INC**

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## ATTACHMENT A

### CHANGE ORDER NO. 6

#### WATER POLLUTION CONTROL PLANT IMPROVEMENTS MUSCATINE, IOWA

##### COST CHANGES

1. Provide an overhead monorail beam in the Primary Clarifier Building MCC Room and two stainless steel floor plates in the Thickener Building, RFP No. 057R. + \$2,068
2. Provide additional electrical testing at the Blower Building after initial startup of the centrifugal blowers, to document the voltages during the starting cycles, RFP No. 058a. + \$2,899
3. Provide crane and electrical services to switchout Transformer Nos. 4 and 5 from 750 kva to 1500 kva, RFP No. 058b. + \$4,848
4. Provide two wire way trenches with aluminum cover plates and relocate the power and ethernet plug ins for the UV modules, RFP No. 060R. + \$1,015
5. Compensate the City for repair costs of the plant drainage pump damaged by the Contractor during construction. -\$181
6. Provide a credit to compensate the City for the electrical power used by the Contractor from September 1, 2010 through December 31, 2010. -\$2,108
7. Modify the odor control cover on the influent head box to include additional access hatches, support angles and beams, an anti-slip grit topping for the roof panels, and the relocation of the existing primary clarifier handrail to the head box, RFP No. 061R. + \$13,517
8. Modify the 6" digester gas piping in the new Digester Building. Revise the layout of the waste gas burner piping and shroud, and the location of the control panel, RFP No. 062R. + \$13,918

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CONSTRUCTION INC

9. Remove and reinstall the three existing level transducers and brackets onto the new return activated sludge slide gates. Provide the additional conduit, power and control wiring, computer programming, etc. to incorporate the RAS slide gates into the SCADA system, RFP. No. 063R. +\$17,808
- TOTAL +\$53,784

