



WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

Cc: Nancy Lueck, Finance Director

From: Jon Koch, Director WPCP

Date: April 29th, 2013

Re: Change Order #10 for Plant Improvement Project

INTRODUCTION: During the plant renovation project a new line was run from the Thickened Waste Activated Sludge (TWAS) pumps to the digesters on the other side of the plant. During the first several months of running the TWAS pumps, the volume they pumped continued to decline. It was thought that perhaps there was an obstruction in the line. The contractor William Brothers Construction, Inc. (WBCI) agreed to inspect the line but asked for compensation if no obstruction was found. None was found and WBCI submitted a pay request in the amount of \$4,890 for work performed. Payment for this work will be Change order #10 to the project contract.

BACKGROUND: Several remaining items will be resolved with this change order to close out the project. These include a non-functioning computer that has been repaired twice before, several programming issues, a re-circulation pump alignment and touch-up painting. The City proposed a reduced price in return for releasing WBCI from certain items remaining to be completed (see attached). WBCI has accepted this change order and agrees to its terms.

RECOMMENDATION/RATIONALE: The WPCP staff has proposed and WBCI has accepted \$3,000 in payment for inspecting the TWAS line. To reduce the price, the City has agreed to purchase the new computer and do the touch-up painting in-house. WBCI is still responsible for programming issues and alignment of the recirculating pump. Change order #10 of the contract for the WPCP Improvement Project provides for an increase of \$3,000 in contract price. Staff recommends council approval as this completes all final punch-list items for the contract.

Re: Close out of WPCP Improvement Project

To speed up the finalization of this project the City would like to propose the following to WBCI for consideration:

1. Completion of the graphics for the SCADA system by Dick Struve should be done by May 3rd. With this completion WBCI has fulfilled their contractual obligations concerning the control systems and access software. Any further software upgrades will be accomplished alone by the City.
2. The City will not pursue the replacement of the Dell computer in the grit building. The hard drive has been replaced twice and is again non-functioning. This was brought to the attention of WPCP management early in 2013 and passed on to WBCI in February 2013. Plant staff recognized the problem in December of 2012. Due to the expiration of the warranty by Dell and Siemens, it would fall to WBCI to replace this machine. The City will purchase the computer and Dick Struve will add the necessary software as part of his final closeout work.
3. The Hach sludge blanket meters will need to be programmed during the final closeout work by Dick Struve. The program was previously installed and will need only slight modification with the updated meter heads.
4. Control of the grit wash system will be worked out by Dick Struve and City staff during final closeout work.
5. The 3rd Gould recirculation pump will be coming back from Electric Pump in the near future (delivery date unknown at this time). This will require alignment to be coordinated by WBCI to ensure any warranty issues in the future. City staff has removed and re-installed all three of the pumps for these repairs, but WBCI has coordinated the alignment.
6. Touch up painting will be done by plant staff. WBCI will not need to call in a painting contractor to complete this work.
7. The City agrees to pay WBCI \$3,000 for the outstanding issue of the TWAS line inspection. This amount is derived by subtracting the cost of the Dell computer, paint contractor touch-up work and removal/re-install of the three Gould pumps from the original WBCI request of \$4,890.

The City feels this is an appropriate and equitable agreement for the final items of the project. All other items on the final project punch-list are considered complete. They include:

1. Arc Flash study
2. Clean and vacuum MCC 1A & 1B
3. System 15 effluent loop check. Drives/PLC/SCADA
4. Primary flow meter
5. Pipe support for digested sludge pump discharge piping
6. Repair of Indeeco electric unit heater.

With the completion of work by Dick Struve there will be no need for any supplemental contracts.



VEENSTRA & KIMM, INC.

3000 Westown Parkway • West Des Moines, Iowa 50266-1320

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

April 30, 2013

Jon Koch
Water Pollution Control Plant Director
City of Muscatine
1202 Musser Street
Muscatine, Iowa 52761-1641

MUSCATINE, IOWA
WATER POLLUTION CONTROL PLANT IMPROVEMENTS
CHANGE ORDER NO. 10

Enclosed is a copy of Change Order No. 10 for the contract between the City of Muscatine and Williams Brothers Construction, Inc. for the Water Pollution Control Plant Improvements project. Change Order No. 10 increases the contract amount by \$3,000.

Change Order No. 10 incorporates one adjustment in the construction contract. This adjustment provides compensation to Williams Brothers Construction, Inc. for investigation of the existing and new thickened waste activated sludge piping. The investigation was to determine if there was an obstruction in the piping that was affecting the performance of the thickened waste activated sludge pumps. The investigation indicated there were no obstructions in the piping. Based on the outcome of the investigation, it was determined appropriate to compensate the contractor for the cost of the investigation. The cost of the investigation was adjusted to \$3,000 based on offsetting the cost of the investigation against other minor items associated with the final closeout of the project.

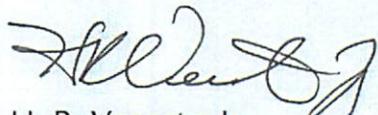
Veenstra & Kimm, Inc. would recommend the City of Muscatine approve Change Order No. 10 in the amount of \$3,000.

From a procedural perspective, Change Order No. 10 should be approved prior to action by the City Council to approve Partial Payment Estimate No. 38 and action to accept the construction contract between the City of Muscatine and Williams Brothers Construction, Inc. for the Water Pollution Control Plant Improvements project. The final payment estimate and the documents associated with the acceptance of the project are based on the assumption the City Council will first approve Change Order No. 10 in the amount of \$3,000.

Jon Koch
April 30, 2013
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If you have any questions or comments concerning the project, please contact the writer at
800-241-8000.

VEENSTRA & KIMM, INC.



H. R. Veenstra Jr.

HRVJr:dml
20813
Enclosure



VEENSTRA & KIMM, INC.
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April 26, 2013

CHANGE ORDER NO. 10

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

This change order is to document one modification to the construction contract for the Water Pollution Control Plant. The modification included in this change order is for an addition of work to the contract. Compensation for the contractor for this item is based on the contractor's proposal as reviewed, negotiated and approved. The modification to the contract is as follows:

1. Compensation for the inspection and investigation of the thickened waste activated sludge piping to confirm there is no obstruction in the existing or new piping.

Change Order No. 10 to the contract for the Water Pollution Control Plant Improvements provides for an increase of \$3,000 in the contract price.

WILLIAMS BROS. CONSTRUCTION INC.

By *Joseph Willis*

Title Project Manager

Date 4-30-13

VEENSTRA & KIMM, INC.

By *Deb B*

Title Project Manager

Date April 30, 2013

CITY OF MUSCATINE, IOWA

By _____

Title _____ Mayor

Date _____

ATTEST:

By _____

Title _____ City Clerk

Date _____