

PI
8-15-16

CITY OF MANITOWOC

WISCONSIN, USA
www.manitowoc.org



August 3, 2016

16-0750
CONSENT

TO: Mayor and Common Council
FROM: Board of Public Works
SUBJECT: Quotes for Ferric Chloride for Wastewater Treatment Facility

Dear Mayor and Common Council:

At the August 3, 2016, Board of Public Works meeting, the Board met to open quotes for furnishing ferric chloride for Wastewater Treatment Facility, QM-16-5. City Clerk reported receiving two envelopes. Same were opened, read out loud, and are as follows:

	Total Base Bid
Kemira Companies, Inc.	\$ 421/dry ton
PVS Technologies Inc.	\$ 457/dry ton

The Board unanimously recommended referring to the Director of Public Infrastructure for tabulation.

Very Truly Yours,

Jennifer Hudon
Secretary Board of Public Works

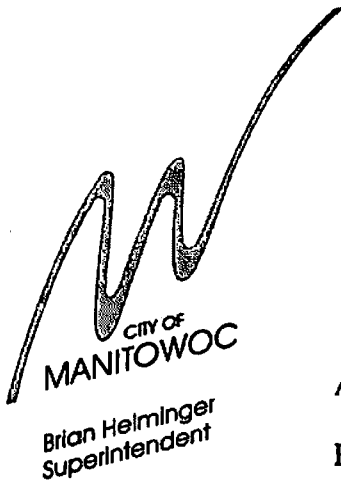
dan

Jennifer Hudon, MPA, City Clerk/Deputy Treasurer
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**Tabulation of Quotations Received August 3, 2016
For Supply of Ferric Chloride
For The City Of Manitowoc Wastewater Treatment Facility
QM-16-5**

Name of Company Submitting Quotation	Approximately 400 Dry Tons Anhydrous Ferric Chloride (Delivered in Liquid Form) for the 2017 Year as per City of Manitowoc's Minimum Requirements
Kemira Companies, Inc.	\$421/dry ton
PVS Technologies, Inc.	\$457/dry ton



August 4, 2016

Re: QM-16-5

To whom it may concern:

Ferric chloride is a chemical that is used at the WWTF to chemically bind phosphorus and assist in its removal, along with the biological solids, from the WWTF effluent discharged to Lake Michigan. The provision of this chemical is bid out on an annual basis and is a delivered price. The "active" ingredient that we are concerned with in the bidding process is the iron content of the ferric chloride. The bids are prepared and should be evaluated based on the delivered per ton of iron dry weight basis. There were only 2 bids for 2017 and both companies submitted pricing based on a per ton iron dry weight basis.



OFFICE OF WASTEWATER TREATMENT

Since it is the cost per pound of iron delivered that counts and based on past experience with Kemira, I recommend acceptance of the Kemira low bid for \$421 per dry ton delivered. This bid price is less than our current pricing and will provide some savings. We have used this supplier and chemical in 2016 without incident, so the evaluation period called for in the specifications will not be necessary.

Sincerely,

Brian Helminger
Superintendent

WASTEWATER TREATMENT FACILITY

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