



301 W. MAIN • OWOSSO, MICHIGAN 48867-2958 • (989) 725-0599 • FAX (989) 723-8854

MEMORANDUM

DATE: For June 20, 2011 City Council Meeting (Consent Agenda)

TO: Owosso City Council

FROM: Gary Burk, Utilities Director

RE: Water/Wastewater Treatment; Annual Supply Contracts for Bulk Chemicals

1. Ferric Chloride - Bid Award to Kemira Water Solutions, Inc.
2. Sodium Hypochlorite – Bid Award to Jones Chemical Inc.
3. Quicklime – Bid award to Western Lime Corporation

1. Ferric Chloride

We recommend bid award (bid tab attached) to the low bidder, **Kemira Water Solutions, Inc., at the unit price of \$0.48** per pound of iron. Based on projected usage of 72,000 pounds per year, the annual contract is estimated at \$34,560. This is a significant decrease (17%) from the current price (\$0.5794 per pound from Kemira). Ferric chloride is required for phosphorus and solids removal in our wastewater treatment process.

2. Bulk chlorine solution (sodium hypochlorite)

We recommend bid award (bid tab attached) to the low bidder, **Jones Chemical Inc., at the unit price of \$0.75** per gallon of sodium hypochlorite (chlorine solution) plus \$50 per truck load for split delivery. Based on projected usage, the annual contract is estimated at \$41,100. This is a significant increase (27%) over the current price of \$0.59 per gallon (Kemira), but less than the \$1.10 per gallon from two years earlier. This chemical is used for disinfection for both the water and wastewater treatment processes. Bulk deliveries are split between the two facilities with approximately 2/3 to the wastewater plant and 1/3 to the water plant.

3. Quicklime

We recommend bid award (bid tab attached) to the low bidder, **Western Lime Corporation, at the unit price of \$128.00 per ton** for quicklime used for water treatment. Based on projected usage of 800 tons, the annual contract is estimated at \$102,400 for the year. This is a 2.4 % increase over the current price of \$125.00 (Western Lime Corp.).

Enc.

RESOLUTION NO.

**RESOLUTION AUTHORIZING THE EXECUTION
OF A PURCHASE ORDER FOR
FERRIC CHLORIDE FOR WATER TREATMENT FOR FY 2011/12
WITH KEMIRA WATER SOLUTIONS, INC.**

WHEREAS, the City of Owosso, Shiawassee County, Michigan, requires ferric chloride (iron) in bulk deliveries for use in treating municipal wastewater; and

WHEREAS, the City of Owosso sought bids for ferric chloride; a bid was received from Kemira Water Solutions Inc.; and it is hereby determined that Kemira Water Solutions Inc. is qualified to provide such product and that it has submitted the lowest responsible and responsive bid;

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Owosso, Shiawassee County, Michigan that:

- FIRST: The City of Owosso has heretofore determined that it is advisable, necessary and in the public interest to purchase ferric chloride from Kemira Water Solutions Inc. in the amount of \$0.48 per pound of iron for the city fiscal year 2011/2012 with an estimated total amount for the year of \$34,560.
- SECOND: The purchase agreement between the City and Kemira Water Solutions Inc. shall be in the form of a City Purchase Order and bid documents.
- THIRD: The above expenses shall be paid from the Wastewater Fund.

RESOLUTION NO.

**RESOLUTION AUTHORIZING THE EXECUTION
OF A PURCHASE ORDER FOR
BULK CHLORINE SOLUTION FOR WATER TREATMENT
FOR FY 2011/12
WITH JONES CHEMICAL INC.**

WHEREAS, the City of Owosso, Shiawassee County, Michigan, requires ferric chloride (iron) in bulk deliveries for use in treating municipal drinking water wastewater; and

WHEREAS, the City of Owosso sought bids for bulk chlorine solution (sodium hypochlorite); a bid was received from Jones Chemical Inc.; and it is hereby determined that Jones Chemical Inc. is qualified to provide such product and that it has submitted the lowest responsible and responsive bid;

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Owosso, Shiawassee County, Michigan that:

- FIRST: The City of Owosso has heretofore determined that it is advisable, necessary and in the public interest to purchase bulk chlorine solution from Jones Chemical Inc. in the amount of \$0.75 per gallon of solution plus \$50 per truckload for split delivery for the city fiscal year 2011/2012 with an estimated total amount for the year of \$41,100.
- SECOND: The purchase agreement between the City and Jones Chemical Inc. shall be in the form of a City Purchase Order and bid documents.
- THIRD: The above expenses shall be paid from the Water and Wastewater Funds.

RESOLUTION NO.

**RESOLUTION AUTHORIZING THE EXECUTION
OF A PURCHASE ORDER FOR
QUICKLIME FOR WATER TREATMENT
FOR FY 2011/12
WITH WESTERN LIME CORPORATION**

WHEREAS, the City of Owosso, Shiawassee County, Michigan, requires quicklime in bulk deliveries for use in treating municipal drinking water; and

WHEREAS, the City of Owosso sought bids for quicklime; a bid was received from Western Lime Corporation; and it is hereby determined that Western Lime Corporation is qualified to provide such product and that it has submitted the lowest responsible and responsive bid;

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Owosso, Shiawassee County, Michigan that:

- FIRST: The City of Owosso has heretofore determined that it is advisable, necessary and in the public interest to purchase quicklime from Western Lime Corporation in the amount of \$128 per ton for the city fiscal year 2011/2012 with an estimated total amount for the year of \$102,400.
- SECOND: The purchase agreement between the City and Western Lime Corporation shall be in the form of a City Purchase Order and bid documents.
- THIRD: The above expenses shall be paid from the Water and Wastewater Funds.

CITY OF OWOSSO BID TABULATION SHEET

DATE: 6/7/2011

DEPT.: Water

SUBJECT: Sodium Hypochlorite

ITEM #	DESCRIPTION	EST. QTY	UNIT	Jones Chemical Riverview MI		KA Steel Lemont, IL		Alexander Chemical Downers Grove, IL	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Sodium Hypochlorite	54,000	gallons	\$ 0.75	\$ 40,500.00	\$ 0.77	\$ 41,580.00	\$ 0.93	\$ 50,220.00
	Split Deliver per truckload	12	EA	\$ 50.00	\$ 600.00	0.00	0.00	\$ 50.00	\$ 600.00
ESTIMATED ANNUAL TOTAL BID					\$ 41,100.00		\$ 41,580.00		\$ 50,820.00

TOTAL BID PRICING ADJUSTED FOR LOCAL PURCHASING PREFERENCE:

DEPT. HEAD:

Larry M. Suck

GENERAL LIABILITY INSURANCE

EXPIRATION DATE: _____

AWARDED? _____

PURCH. AGENT:

R. Williams

WORKERS COMPENSATION INSURANCE

EXPIRATION DATE: _____

COUNCIL APPROVED: _____

STAFF REC.:

Low Bid - Jones Chem.

SOLE PROPRIETORSHIP

EXPIRATION DATE: _____

PO NUMBER: _____

CITY OF OWOSSO BID TABULATION SHEET

DATE: 6/7/2011
 DEPT.: WWTP

SUBJECT: Ferric Chloride Bid

ITEM #	DESCRIPTION	EST. QTY	UNIT	Kemira Water Solutions Lawrence, KS		PVS Technologies Detroit, MI		UNIT PRICE	TOTAL
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL		
1	Ferric Chloride	72,000	lbs/yr.	\$ 0.4800	\$ 34,560.00	\$ 0.650	\$ 46,800.00		
ESTIMATED ANNUAL TOTAL BID									

TOTAL BID PRICING ADJUSTED FOR LOCAL PURCHASING PREFERENCE:

DEPT. HEAD: Larry M. Burk

PURCH. AGENT: [Signature]

STAFF REC.: low Bid - KEMIRA

GENERAL LIABILITY INSURANCE
 EXPIRATION DATE: _____

WORKERS COMPENSATION INSURANCE
 EXPIRATION DATE: _____

SOLE PROPRIETORSHIP
 EXPIRATION DATE: _____

AWARDED? _____

COUNCIL APPROVED: _____

PO NUMBER: _____

CITY OF OWOSSO BID TABULATION SHEET

DATE 6/7/2011

DEPT. Water

PAGE 1

SUBJECT: QUICKLIME

ITEM #	DESCRIPTION	EST. QTY	UNIT	Western Lime Corp West Bend, IN		Carmeuse Lime, Inc. Pittsburgh, PA		UNIT PRICE	TOTAL
				UNIT PRICE	YEARLY TOTAL	UNIT PRICE	YEARLY TOTAL		
1	PEBBLE QUICKLIME	800	TONS PER YEAR	\$ 128.00	\$ 102,400.00	\$ 156.14	\$ 124,912.00		
ESTIMATED ANNUAL TOTAL BID				\$	102,400.00	\$	124,912.00	\$	-

TOTAL BID PRICING ADJUSTED FOR LOCAL PURCHASING PREFERENCE:

DEPT. HEAD: Jay M. Burk

AWARDED: _____

PURCH. AGENT: [Signature]

COUNCIL APPROVED: _____

STAFF REC.: Low Bid - WESTERN LIME CORP.

P.O. NUMBER: _____