

**BID EVALUATION - CITY OF SAGINAW PURCHASING**

P1873-22 JOINT CHEMICAL BID FOR CITIES OF BAY CITY AND SAGINAW & BAY COUNTY  
 OPENING: 5/10/22  
 WT/WW PAGE 1 OF 3

			PENCO SAN FELIPE, TX  SARAH DUFFY <a href="mailto:sarah@penco.com">sarah@penco.com</a>	ELHORN COMPANY MASON, MI  TODD LUKS <a href="mailto:elhorneng@aol.com">elhorneng@aol.com</a>	JCI JONES RIVERVIEW, MI  ASHLEY WOOLUM <a href="mailto:awoolum@jcichem.com">awoolum@jcichem.com</a>	CHEMRITE INC BUFORD, GA  AARON OPP <a href="mailto:orders@chemrite.com">orders@chemrite.com</a>	GRAYMONT WESTERN LIME INC WEST BEND, WI  BIJU DANIEL <a href="mailto:bdaniel@graymont.com">bdaniel@graymont.com</a>
			NO BID	DISQUALIFIED- BID BOND NOT INCLUDED		DISQUALIFIED – ORIGINAL BID BOND NOT SUBMITTED	
	7/1/2022 through 6/30/2023	Estimated Quantities					
A.	Aluminum Chlorohydrate of 23.5% +/- 0.5 of AL2O3 and 12.5% +/- 0.5 of AL NSF 60 certified, delivered to Bay Area Water Treatment Plant per attached specifications.	36,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
B.	Calcium Oxide 3/4" x 1/4" pebble, min 94% available CaO, AWWA Standard B202-19 delivered to Saginaw Water and Waste Water Plants in 35-40 ton shipments per attached specification. *(1)	1850 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$198.00 Total \$366,300.00
C.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Water Plant in 4,000 gallon shipments per attached specification. *	200 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
D.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Wastewater Plant in 4,000 gallon shipments per attached specification. *	58 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
E.	Ferric Chloride, liquid, AWWA Standard B407-18 in 8,000-gallon shipments to Bay City Wastewater. *(2)	150 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
F.	Hydrofluorosilicic Acid liquid, AWWA Standard B703-19 delivered to the Saginaw Water Plant in 1,500 gallon max shipments per attached specification. *(3)	150 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
G.	Hydrofluorosilicic Acid liquid, NSF 60 AWWA Standard B703-19 Delivered to Bay Area Water Treatment Plant in 2,000 gallon max bulk loads. Per Attached Specifications	50 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
H.	Liquid PolyDADMAC, AWWA Standard B451-16 per the attached specs delivered to the Saginaw Water Plant in 450lb drums per attached specification. *	24,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$

**BID EVALUATION - CITY OF SAGINAW PURCHASING**

P1873-22 JOINT CHEMICAL BID FOR CITIES OF BAY CITY AND SAGINAW & BAY COUNTY

OPENING: 5/10/22

WT/WW PAGE 2 OF 3

			PENCO SAN FELIPE, TX  SARAH DUFFY <a href="mailto:sarah@penco.com">sarah@penco.com</a>	ELHORN COMPANY MASON, MI  TODD LUKS <a href="mailto:elhorneng@aol.com">elhorneng@aol.com</a>	JCI JONES RIVERVIEW, MI  ASHLEY WOOLUM <a href="mailto:awoolum@jcichem.com">awoolum@jcichem.com</a>	CHEMRITE INC BUFORD, GA  AARON OPP <a href="mailto:orders@chemrite.com">orders@chemrite.com</a>	GRAYMONT WESTERN LIME INC WEST BEND, WI  BIJU DANIEL <a href="mailto:bdaniel@graymont.com">bdaniel@graymont.com</a>
			NO BID	DISQUALIFIED- BID BOND NOT INCLUDED		DISQUALIFIED – ORIGINAL BID BOND NOT SUBMITTED	
	7/1/2022 through 6/30/2023	Estimated Quantities					
I.	Liquid Polymer (Emulsion) Clarifloc CE-1716 or owner approved equal in 250-275 gallon totes per specifications delivered to Bay City Wastewater Plant	5,280 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
J.	Liquid Sodium Hypochlorite, AWWA Standard B300-18 delivered to the Saginaw Water Plant in 4,800 gallon shipments per attached specification. *	120,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$1.68 Total \$201,600.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
K.	Liquid Sodium Hypochlorite, per the attached specifications delivered for Saginaw Wastewater Treatment Plant (various locations).	175,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$1.68 Total \$294,000.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
L.	Liquid Sodium Hypochlorite, per the attached specifications delivered to Bay City Wastewater Treatment Plant.	50,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$2.03 Total \$101,500.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
M.	Liquid Sodium Hypochlorite, per the attached specifications delivered to the Bay Area Water Treatment Plant, N. Euclid Ave. Bay City (Bulk Tanker Loads)	31,000 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$1.78 Total \$55,180.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
O.	Powdered Activated Carbon, AWWA Standard B600-16 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4)	70,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
P.	Copper Sulfate, AWWA Standard B602-17 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4) (equivalent bags may be approved at the cities discretion)	12,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
Q.	Sodium Hydroxide 25%, must be manufactured in accordance with AWWA Standard B501-19, Delivered to Bay Area Water Treatment Plant in bulk tanker per attached specification sheet	7,000 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$1.74 Total \$12,180.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$

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			NO BID	DISQUALIFIED- BID BOND NOT INCLUDED		DISQUALIFIED – ORIGINAL BID BOND NOT SUBMITTED	
	7/1/2022 through 6/30/2023	Estimated Quantities					
R.	Phosphoric Acid 75% Manufactured in accordance with AWWA standard B507-16 delivered to Bay Area Water Treatment Plant by Tanker or in IBC totes.	100,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
S.	Citric Acid 50% NSF 60, Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	3,500 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
T.	Sulfuric Acid 40% NSF 60 Delivered to the Bay Area Water Treatment Plant in bulk tanker or in IBC totes	10,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
U.	Sodium Bisulfite 40% Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	17,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
	BID BOND INCLUDED:			N	Y	N	Y
	TERMS:				NET 30		NET 30
	DELIVERY LEAD TIME:				5 DAYS		AS SCHEDULED

The Sodium Hypochlorite bid shall be for a 6 month period, from 07/01/2022 thru 12/31/2022, with the Cities of Bay City and Saginaw and Bay County having the option to extend at the same bid price for the second 6 months, from 01/01/2023 to 06/30/2023. Due to the volatility of the market, the Cities of Bay City and Saginaw and Bay County reserve the right to rebid in lieu of extending the accepted bid above.

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WT/WW PAGE 1 OF 3

		VINNEERA CHEMICALS LLC KATY, TX  VINOTH MANOHARAN <a href="mailto:sales@vineera.com">sales@vineera.com</a>	HAVILAND PRODUCTS CO GRAND RAPIDS, MI  RICH HELD <a href="mailto:darlened@havilandusa.com">darlened@havilandusa.com</a>	NALCO COMPANY LLC NAPERVILLE, IL  KERRY HONG <a href="mailto:khong@ecolab.com">khong@ecolab.com</a>	ALEXANDER CHEMICAL CORP LAPORTE, IN  ROBERT DAVIDSON <a href="mailto:bids@alexchem.com">bids@alexchem.com</a>	PVS TECHNOLOGIES INC DETROIT, MI  CRAIG MIKKELSON <a href="mailto:bids@pvschemicals.com">bids@pvschemicals.com</a>
				DISQUALIFIED – BID BOND NOT INCLUDED		
	7/1/2022 through 6/30/2023	Estimated Quantities				
A.	Aluminum Chlorohydrate of 23.5% +/- 0.5 of AL2O3 and 12.5% +/- 0.5 of AL NSF 60 certified, delivered to Bay Area Water Treatment Plant per attached specifications.	36,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
B.	Calcium Oxide 3/4" x 1/4" pebble, min 94% available CaO, AWWA Standard B202-19 delivered to Saginaw Water and Waste Water Plants in 35-40 ton shipments per attached specification. *(1)	1850 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
C.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Water Plant in 4,000 gallon shipments per attached specification. *	200 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$887.00 Total \$177,400.00
D.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Wastewater Plant in 4,000 gallon shipments per attached specification. *	58 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$887.00 Total \$51,446.00
E.	Ferric Chloride, liquid, AWWA Standard B407-18 in 8,000-gallon shipments to Bay City Wastewater. *(2)	150 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$887.00 Total \$133,050.00
F.	Hydrofluorosilicic Acid liquid, AWWA Standard B703-19 delivered to the Saginaw Water Plant in 1,500 gallon max shipments per attached specification. *(3)	150 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$778.00 Total \$116,700.00
G.	Hydrofluorosilicic Acid liquid, NSF 60 AWWA Standard B703-19 Delivered to Bay Area Water Treatment Plant in 2,000 gallon max bulk loads. Per Attached Specifications	50 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$778.00 Total \$38,900.00
H.	Liquid PolyDADMAC, AWWA Standard B451-16 per the attached specs delivered to the Saginaw Water Plant in 450lb drums per attached specification. *	24,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$1.21 Total \$29,040.00	Cost/lb \$ Total \$

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WT/WW PAGE 2 OF 3

			VINNEERA CHEMICALS LLC KATY, TX  VINOTH MANOHARAN <a href="mailto:sales@vineera.com">sales@vineera.com</a>	HAVILAND PRODUCTS CO GRAND RAPIDS, MI  RICH HELD <a href="mailto:darlened@havilandusa.com">darlened@havilandusa.com</a>	NALCO COMPANY LLC NAPERVILLE, IL  KERRY HONG <a href="mailto:khong@ecolab.com">khong@ecolab.com</a>	ALEXANDER CHEMICAL CORP LAPORTE, IN  ROBERT DAVIDSON <a href="mailto:bids@alexchem.com">bids@alexchem.com</a>	PVS TECHNOLOGIES INC DETROIT, MI  CRAIG MIKKELSON <a href="mailto:bids@pvschemicals.com">bids@pvschemicals.com</a>
				DISQUALIFIED – BID BOND NOT INCLUDED			
	7/1/2022 through 6/30/2023	Estimated Quantities					
I.	Liquid Polymer (Emulsion) Clarifloc CE-1716 or owner approved equal in 250-275 gallon totes per specifications delivered to Bay City Wastewater Plant	5,280 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
J.	Liquid Sodium Hypochlorite, AWWA Standard B300-18 delivered to the Saginaw Water Plant in 4,800 gallon shipments per attached specification. *	120,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$2.29 Total \$274,800.00 Price is firm for 3 <sup>rd</sup> calendar quarter only	Cost/Gal \$ Total \$
K.	Liquid Sodium Hypochlorite, per the attached specifications delivered for Saginaw Wastewater Treatment Plant (various locations).	175,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$2.29 Total \$400,750.00 Price is firm for 3 <sup>rd</sup> calendar quarter only	Cost/Gal \$ Total \$
L.	Liquid Sodium Hypochlorite, per the attached specifications delivered to Bay City Wastewater Treatment Plant.	50,000 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$2.29 Total \$114,500.00 Price is firm for 3 <sup>rd</sup> calendar quarter only	Cost/Gal \$ Total \$
M.	Liquid Sodium Hypochlorite, per the attached specifications delivered to the Bay Area Water Treatment Plant, N. Euclid Ave. Bay City (Bulk Tanker Loads)	31,000 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$2.29 Total \$70,990.00 Price is firm for 3 <sup>rd</sup> calendar quarter only	Cost/Gal \$ Total \$
O.	Powdered Activated Carbon, AWWA Standard B600-16 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4)	70,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
P.	Copper Sulfate, AWWA Standard B602-17 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4) (equivalent bags may be approved at the cites discretion)	12,000 lbs	Cost/lb \$2.64 Total \$31,680.00	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
Q.	Sodium Hydroxide 25%, must be manufactured in accordance with AWWA Standard B501-19, Delivered to Bay Area Water Treatment Plant in bulk tanker per attached specification sheet	7,000 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$

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		VINNEERA CHEMICALS LLC KATY, TX  VINOTH MANOHARAN <a href="mailto:sales@vineera.com">sales@vineera.com</a>	HAVILAND PRODUCTS CO GRAND RAPIDS, MI  RICH HELD <a href="mailto:darlened@havilandusa.com">darlened@havilandusa.com</a>	NALCO COMPANY LLC NAPERVILLE, IL  KERRY HONG <a href="mailto:khong@ecolab.com">khong@ecolab.com</a>	ALEXANDER CHEMICAL CORP LAPORTE, IN  ROBERT DAVIDSON <a href="mailto:bids@alexchem.com">bids@alexchem.com</a>	PVS TECHNOLOGIES INC DETROIT, MI  CRAIG MIKKELSON <a href="mailto:bids@pvschemicals.com">bids@pvschemicals.com</a>
				DISQUALIFIED – BID BOND NOT INCLUDED		
	7/1/2022 through 6/30/2023	Estimated Quantities				
R.	Phosphoric Acid 75% Manufactured in accordance with AWWA standard B507-16 delivered to Bay Area Water Treatment Plant by Tanker or in IBC totes.	100,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
S.	Citric Acid 50% NSF 60, Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	3,500 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
T.	Sulfuric Acid 40% NSF 60 Delivered to the Bay Area Water Treatment Plant in bulk tanker or in IBC totes	10,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
U.	Sodium Bisulfite 40% Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	17,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
	BID BOND INCLUDED:		N/A	N	N/A	Y
	TERMS:		NET 30		NET 30	NET 30
	DELIVERY LEAD TIME:		3-5 BUSINESS DAYS		10-14 BUSINESS DAYS	5-7 BUSINESS DAYS
						3-7 DAYS

The Sodium Hypochlorite bid shall be for a 6 month period, from 07/01/2022 thru 12/31/2022, with the Cities of Bay City and Saginaw and Bay County having the option to extend at the same bid price for the second 6 months, from 01/01/2023 to 06/30/2023. Due to the volatility of the market, the Cities of Bay City and Saginaw and Bay County reserve the right to rebid in lieu of extending the accepted bid above.

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WT/WW PAGE 1 OF 3

		PVS NOLWOOD CHEMICALS INC DETROIT, MI  JONATHAN S. TAUB <a href="mailto:bids@pvschemicals.com">bids@pvschemicals.com</a>	CARMEUSE LIME PITTSBURGH, PA  JONATHAN BRIGHT <a href="mailto:salesinquiries@carmeuse.com">salesinquiries@carmeuse.com</a>	UNIVAR SOLUTIONS USA INC FAIRFIELD, OH  SHELLEY RIGGLE <a href="mailto:Shelley.riggles@univarsolutions.com">Shelley.riggles@univarsolutions.com</a>	POLYDYNE INC RICEBORO, GA  BOYD STANLEY <a href="mailto:bids@polydyneinc.com">bids@polydyneinc.com</a>
	7/1/2022 through 6/30/2023	Estimated Quantities			
A.	Aluminum Chlorohydrate of 23.5% +/- 0.5 of AL2O3 and 12.5% +/- 0.5 of AL NSF 60 certified, delivered to Bay Area Water Treatment Plant per attached specifications.	36,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
B.	Calcium Oxide 3/4" x 1/4" pebble, min 94% available CaO, AWWA Standard B202-19 delivered to Saginaw Water and Waste Water Plants in 35-40 ton shipments per attached specification. *(1)	1850 tons	Cost/Ton \$ Total \$	Cost/Ton \$227.75 Total \$421,337.50	Cost/Ton \$ Total \$
C.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Water Plant in 4,000 gallon shipments per attached specification. *	200 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
D.	Ferric Chloride liquid, AWWA Standard B407-18 delivered to the Saginaw Wastewater Plant in 4,000 gallon shipments per attached specification. *	58 dry tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
E.	Ferric Chloride, liquid, AWWA Standard B407-18 in 8,000-gallon shipments to Bay City Wastewater. *(2)	150 tons	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$	Cost/Ton \$ Total \$
F.	Hydrofluorosilicic Acid liquid, AWWA Standard B703-19 delivered to the Saginaw Water Plant in 1,500 gallon max shipments per attached specification. *(3)	150 tons	Cost/Ton \$800.00 Total \$120,000.00	Cost/Ton \$ Total \$	Cost/Ton \$650.00 Total \$97,500.00
G.	Hydrofluorosilicic Acid liquid, NSF 60 AWWA Standard B703-19 Delivered to Bay Area Water Treatment Plant in 2,000 gallon max bulk loads. Per Attached Specifications	50 tons	Cost/Ton \$715.00 Total \$35,750.00	Cost/Ton \$ Total \$	Cost/Ton \$620.00 Total \$31,000.00
H.	Liquid PolyDADMAC, AWWA Standard B451-16 per the attached specs delivered to the Saginaw Water Plant in 450lb drums per attached specification. *	24,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$.95 Total \$22,800.00

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	7/1/2022 through 6/30/2023	Estimated Quantities				
I.	Liquid Polymer (Emulsion) Clarifloc CE-1716 or owner approved equal in 250-275 gallon totes per specifications delivered to Bay City Wastewater Plant	5,280 gal	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$14.364 Total \$75,841.92
J.	Liquid Sodium Hypochlorite, AWWA Standard B300-18 delivered to the Saginaw Water Plant in 4,800 gallon shipments per attached specification. *	120,000 gal	Cost/Gal \$1.96 Total \$235,200.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
K.	Liquid Sodium Hypochlorite, per the attached specifications delivered for Saginaw Wastewater Treatment Plant (various locations).	175,000 gal	Cost/Gal \$1.96 Total \$343,000.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
L.	Liquid Sodium Hypochlorite, per the attached specifications delivered to Bay City Wastewater Treatment Plant.	50,000 gal	Cost/Gal \$1.96 Total \$98,000.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
M.	Liquid Sodium Hypochlorite, per the attached specifications delivered to the Bay Area Water Treatment Plant, N. Euclid Ave. Bay City (Bulk Tanker Loads)	31,000 gal/yr	Cost/Gal \$1.96 Total \$60,760.00	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
O.	Powdered Activated Carbon, AWWA Standard B600-16 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4)	70,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
P.	Copper Sulfate, AWWA Standard B602-17 delivered to the Saginaw Water Plant in 50 pound bags per attached specification. *(4) (equivalent bags may be approved at the cities discretion)	12,000 lbs	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
Q.	Sodium Hydroxide 25%, must be manufactured in accordance with AWWA Standard B501-19, Delivered to Bay Area Water Treatment Plant in bulk tanker per attached specification sheet	7,000 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$



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	7/1/2022 through 6/30/2023	Estimated Quantities				
R.	Phosphoric Acid 75% Manufactured in accordance with AWWA standard B507-16 delivered to Bay Area Water Treatment Plant by Tanker or in IBC totes.	100,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
S.	Citric Acid 50% NSF 60, Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	3,500 gal/yr	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$	Cost/Gal \$ Total \$
T.	Sulfuric Acid 40% NSF 60 Delivered to the Bay Area Water Treatment Plant in bulk tanker or in IBC totes	10,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
U.	Sodium Bisulfite 40% Delivered to Bay Area Water Treatment Plant per the attached specifications in IBC totes or bulk tanker.	17,000 lbs/yr	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$	Cost/lb \$ Total \$
	BID BOND INCLUDED:		Y	Y	Y	N/A
	TERMS:		NET 30	NET 30	NET 30	NET 30
	DELIVERY LEAD TIME:		5 DAYS	2-3 DAYS ARO	12-15 BUSINESS DAYS	12 DAYS ARO

The Sodium Hypochlorite bid shall be for a 6 month period, from 07/01/2022 thru 12/31/2022, with the Cities of Bay City and Saginaw and Bay County having the option to extend at the same bid price for the second 6 months, from 01/01/2023 to 06/30/2023. Due to the volatility of the market, the Cities of Bay City and Saginaw and Bay County reserve the right to rebid in lieu of extending the accepted bid above.