

TO: Board of Commissioners

FROM: Rob Sperl, Director of Parks and Planning
Nic Novak, Trades Manager

THROUGH: Michael Benard, Executive Director

RE: 2020-23 Pool Chemical Supply and Delivery Bid

DATE: March 12, 2020



SUMMARY:

Pool chemicals were previously bid in early 2018. At that time, we had switched our chlorine feeder system at Rice Pool from a liquid chlorine to tablets. The expectation was that this would reduce the cloudiness we experienced on certain days that can close the deep end.

Subsequently we learned that the tablet system was proprietary, and we are unable to obtain competitive pricing on it. The vendor, Aqua-Pure, has expressly stated that only their tablets can be used in their feeder system.

Our costs for Rice pool specific to chlorine have also increased (see table below in the revenue/funding section). In the first year, this was due to the system not being correctly calibrated which we put partial blame on the vendor who set up the system. The past year showed a substantial cost increase at Rice Pool as well. We have also not seen a substantial improvement in the cloudiness of the pool.

As a result of these concerns, we have elected to bid out all our chemicals a year early. Bids were requested for both types of chlorine in order to provide the ability to continue to use the tablet system or convert back to liquid chlorine. In addition, we requested pricing for other chemicals that are used to balance the pools.

Bids were sent to 13 different suppliers on February 21 and bids were received from 6 suppliers on March 4, 2020:

(Table A.)

Cells purposefully left blank in table below were not filled-in by vendor in bid documents.

Vendor	Mineral Masters	Alexander Chemical (Addendum Not Acknowledged)	Hawkins	Terrace Supply	Aqua-Pure Enterprises	Univar Solutions
Calcium Hypochlorite (Tablets) per bucket		No Bid	\$ 94.50 *(see asterisk next page)		\$121.69	No Bid
Sodium Hypochlorite (Liquid) per gal.	\$ 1.23	\$2.46 (Alexander Chemical notes: price includes delivery)	\$ 1.23 *(see asterisk next page)		No Bid	\$1.37 (includes (2) 550-gal tanks with 700-gal containment for each park)
Feeder replacement (if necessary) at CC: Rice		N/A	N/A *(see asterisk next page)			N/A
Feeder replacement (if necessary) at Northside			N/A *(see asterisk next page)		\$ 8,677.11 ***(see asterisk next page)	N/A
Coagulator per 1/2 gallon		No Bid	\$20.15		No Bid	No Bid
Cyanuric Acid (Chlorine Stabilizer) per 50 lbs. pail	\$46.00	No Bid	\$74.50		\$76.39 (each pail)	No Bid
Muriatic Acid per 15-gallon drum (in addendum #1)	\$45.00		\$50.34		\$67.35 (each pail)	No Bid
Calcium Chloride per 50-lbs. bag	\$19.25	No Bid	\$19.00		\$ 17.67 (each bag)	No Bid
CO2 Liquid Gas per lbs. (Does Not include tank Rental)		No Bid	No Bid	\$ 0.21 (per lbs.) \$ 79.87 (per tank)	No Bid	No Bid
CO2 (Container Only) Monthly Rental Per Unit - Per Month (May - Sept)		No Bid	No Bid	\$ 69.30 (per month May Sept.) for 7 tanks (384 lbs. tank size) (7*.33*30 days)	No Bid	No Bid
CO2 (Container Only) Monthly Rental Per Container/ Vessel		No Bid	No Bid	\$ 0.33 (per day) *** (see asterisk next page)	No Bid	No Bid
CO2 Delivery (Per Trip)		N/A	No Bid	\$ 27.00 (per trip)	No Bid	No Bid

*Hawkins: WPD Planning Department is not recommending feeder replacement system at Northside.

- Hawkins written clarification in their bid proposal: *Tanks will be supplied for Hypochlorite if Hawkins is supplier. N/A for any tablet feed system requirements. Price will be arrived at independently if needed.*
- Hawkins written clarification in an email document sent on 3/11/20: *As needed man hours (labor) will be provided at no charge to Wheaton Park District for the re-introducing of Sodium Hypochlorite to the Rice Pool facility.*

**Aqua-Pure Enterprises: WPD Planning Department is not recommending feeder replacement system at Northside.

***Terrace Supply: WPD Planning Clarification - Monthly rental per (CO2 container only) vessel turns out to be \$9.90 or (\$0.33 per day * 30 days).

Based on the results, we are recommending converting the tablet system at Rice back to a liquid chlorine system. Mineral Masters bid was same dollar amount however Hawkins has supplied this product from 2018 to present and we are satisfied with their product and performance. They have also offered to assist with our conversion back to liquid with no additional cost for labor or supply tanks. Our cost for PVC piping to reconnect our pumps will be inconsequential.

Mineral Masters and Aqua-Pure were low for other products that they are being recommended for. However, we have not been able to confirm that they will deliver these at no additional cost at this time. We will need to revisit this if they are unwilling to supply those items.

Terrace Supply was the only bidder for CO2. They have provided our CO2 previously and only have a slight increase in the delivery charge. Therefore, we are recommending approving their bid proposal as well.

PREVIOUS COMMITTEE/BOARD ACTION:

Previous chemical bids were approved in April 2018.

REVENUE OR FUNDING IMPLICATIONS:

Rice Pool: \$41,228 is budgeted within the current fiscal year (20-101-232-53-5335-0000)

Northside Pool: \$13,200 is budgeted within the current fiscal year (20-101-231-53-5335-0000)

Chlorine (Sodium or calcium hypochlorite) and CO2 make up most of our chemical purchases.

	2019 actual	2018 actual	2017 Actual	2016 Actual	2015 Actual
Northside CO2	\$2,039.81	\$1,978.26	\$7,907.92	\$4,726.83	\$5,010.41
Rice CO2	\$4,700.80	\$4,108.15	\$12,039.18	\$11,056.69	\$14,766.76
Northside Chlorine	\$8,760.16	\$8,456.69	\$7,606.25	\$9,413.57	\$6,104.88
Rice Chlorine	\$28,519.19	\$39,806.45	\$17,144.50	\$23,121.26	\$22,033.47
Total	\$44,019.96	\$54,349.55	\$44,697.85	\$48,318.35	\$47,915.52

STAKEHOLDER PROCESS:

These results have been discussed with pool maintenance and special facilities staff.

LEGAL REVIEW:

Standard bid documents were used.

ATTACHMENTS:

N/A

ALTERNATIVES:

N/A

RECOMMENDATION:

It is recommended that the Wheaton Park District Board of Commissioner's approve the proposal from **Mineral Masters** for:

- Cyanuric Acid Supply and Delivery in the amount of \$ **46.00 per 50-lbs. pail.**
- Muriatic Acid Supply and Delivery in the amount of \$ **45.00 per 15-gallon drum.**

It is recommended that the Wheaton Park District Board of Commissioner's approve the proposal from **Hawkins** for:

- Sodium Hypochlorite Liquid Supply and Delivery in the amount of \$ **1.23 per gallon**
- Coagulator Supply and Delivery in the amount of \$ **20.15 per ½ gallon.**

It is recommended that the Wheaton Park District Board of Commissioner's approve the proposal from **Aqua-Pure Enterprises** for:

- Calcium Chloride Supply and Delivery in the amount of \$ **17.67 per 50-lbs. bag.**

It is recommended that the Wheaton Park District Board of Commissioner's approve the proposal from **Terrace Supply** for:

- CO2 Liquid Gas Supply and Delivery in the amount of \$ **0.21/per lbs. or \$79.8 per tank.**
- CO2 Container rental fee of \$ **69.00 /per month (May – Sept).**
- CO2 Container rental fee of \$ **0.33/ per container/vessel per day.**
- CO2 Container delivery fee of \$ **27.00 / per trip.**