



COMMONWEALTH OF VIRGINIA  
**County of Henrico**

**Services Contract  
Contract No. 2459A**

This Services Contract (this “Contract”) entered into this 28th day of December 2022, by the County of Henrico, Virginia and County School Board of Henrico County, Virginia (collectively, the “County” and “HCPS”) and Water Chemistry, Inc., a Commonwealth of Virginia corporation, and its successors it assigns (the “Contractor”).

**SCOPE OF CONTRACT:** The Contractor shall furnish all materials, equipment, and labor necessary to provide Chemicals for Water Treatment, Quarterly Service, Testing and Emergency Repairs for Piping and Water Treatment Systems and Related Services to the County and HCPS as set forth in the Contract Documents.

**COMPENSATION:** The compensation the County or HCPS will pay to the Contractor under this Contract shall be in accordance with Appendix A.

**CONTRACT TERM:** The Contract term shall be for a period of one year beginning January 1, 2023 and ending December 31, 2023. The County and HCPS may renew the Contract for up to four one-year terms giving 30 days’ written notice before the end of the term unless Contractor has given the County or HCPS written notice that it does not wish to renew at least 90 days before the end of the term.

**CONTRACT DOCUMENTS:** This Contract hereby incorporates by reference the documents listed below (the “Contract Documents”) which shall control in the following descending order:

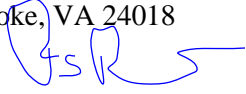
1. This Services Contract between the County and HCPS and Contractor.
2. Invitation for Bid No. 22-2459-12JEC, dated December 7, 2022 (as modified by any addenda).
3. The Contractor’s bid dated December 20, 2022.

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound hereby.

[Remainder of page intentionally left blank; signature page to follow]

Water Chemistry, Inc.

3404 Aerial Way Drive  
Roanoke, VA 24018



---

Signature

F. Scott Russow, Regional Manager

---

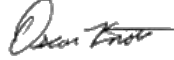
Printed Name and Title

December 27, 2022

---

Date

County of Henrico, Virginia *and* County School  
Board of Henrico County, Virginia  
P.O. Box 90775 *and/or* P.O. Box 23120  
Henrico, VA 23273-0775 *and/or* 23223



---

Signature

Oscar Knott, CPP, CPPO, VCO  
Purchasing Director

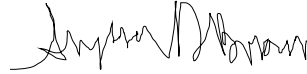
---

01/03/2023

---

Date

APPROVED AS TO FORM:



---

Assistant County Attorney

12-30-22

---

Date

**Appendix A**  
**Price Schedule for Contract 2459A**  
**Chemical for Water Treatment, Service, Testing and Emergency Repairs for Piping and Water Treatment Systems**

Item	Hourly Work Category	Unit Price Per Man Hour
1	Regular	\$90.00
2	Overtime	\$90.00
3	Holidays	\$90.00
Discount Percentage for replacement parts and/or components		10.00%

Item	Description	Unit	Unit Price
1	Legionella Culture Test	Each	\$245.00
2	Formula CL-2	Gallon	\$32.00

**LOT A – Henrico County Service Locations**

**NOTE 1: Under System Type, Condenser NCD = Condenser with a Non-Chemical Device**

**NOTE 2: Under System Type, Condenser BD = Condenser with Dual Biocide Feed Option**

Item #	Building	System Type	Service Frequency	Unit Price	Extended Price
1	Administration Building	1 – Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Chilled Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
		2 - Steam Boiler	Monthly	\$90.00	\$1,080.00
2	Administration Annex	1 – Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
		1 - Chilled Loop	Quarterly	\$6.00	\$24.00
3	Belmont Recreation Center	1 - PG Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
4	Central Automotive Maintenance	1 - Hot Loop	Quarterly	\$6.00	\$24.00
5	The Springs Recreation Center	1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
6	Courts Building	1 – Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Chilled Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
		3 - Steam Boiler	Monthly	\$130.00	\$1,560.00

		1 - SW Dual loop	Quarterly	\$6.00	\$24.00
		1 - NW Dual Loop	Quarterly	\$6.00	\$24.00
<b>7</b>	Cultural Arts Center	1 - Hot Loop	Quarterly	\$6.00	\$24.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
<b>8</b>	Dabbs House - Bunker	1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>9</b>	Dorey Park Recreation Center	1 - PG Chill Loop	Quarterly	\$6.00	\$24.00
<b>10</b>	Eastern Henrico Recreation Center	1 - PG Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>11</b>	Eastern Government Center	1 - Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Chilled Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>12A</b>	Old Fairfield Library	1 - Chill Loop	Quarterly	\$6.00	\$24.00
<b>12B</b>	Fairfield Library	1 - Condenser NCD	Monthly	\$210.00	\$2,520.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>13</b>	Glen Allen Library	1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>14</b>	Henrico Theatre	1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>15</b>	Human Services Building	1 - AI Boiler	Quarterly	\$6.00	\$24.00
<b>16</b>	Jail East	1 - Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>17</b>	Jail West	2 - Condenser BD	Monthly	\$160.00	\$1,920.00
		1 - Chilled Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>18</b>	Juvenile Courts	1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>19</b>	Juvenile Detention	1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>20</b>	Libbie Mill Library	1 - Condenser NCD	Monthly	\$210.00	\$2,520.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>21</b>	Mental Health	1 - Condenser NCD	Monthly	\$210.00	\$2,400.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
		3 - Glycol Loop	Quarterly	\$6.00	\$24.00
<b>22</b>	North Park Library	1 - PG Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
<b>23</b>	Public Utilities Building	1 - Hot Loop	Quarterly	\$6.00	\$24.00

		1 - Glycol Chill Loop	Quarterly	\$6.00	\$24.00
24	Public Works Building	1 - Hot Loop	Quarterly	\$6.00	\$24.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
25	Road Crew	1 - Hot Loop	Quarterly	\$6.00	\$24.00
26	Training Center	1 – Condenser DB	Monthly	\$160.00	\$1,920.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
		1 - Hot Loop	Quarterly	\$6.00	\$24.00
27	Tuckahoe Area Library	1 - Hot Loop	Quarterly	\$6.00	\$24.00
		1 - Chill Loop	Quarterly	\$6.00	\$24.00
28	Tuckahoe Annex - Library HQ	1 - Hot Loop	Quarterly	\$6.00	\$24.00
29	Twin Hickory Library	1 - Hot Loop	Quarterly	\$6.00	\$24.00
30	Varina Area Library	1 - Condenser NCD	Monthly	\$210.00	\$2,520.00
		1 – Chill Loop	Quarterly	\$6.00	\$24.00

**Cooling Tower Data for 17 Tower Cells:**

Water treatment disinfection services that include quarterly sump disinfection, and semi-annual Legionella bacteria testing

Quarter	Quantity	Item	Cost Each	Total
Q1	5	1 gallon Formula CL-2	\$32.00	\$160.00
	2	Hours labor for air inlets and sump disinfection	\$90.00	\$180.00
Q2	5	1 gallon Formula CL-2	\$32.00	\$160.00
	2	Hours labor for air inlets and sump disinfection	\$90.00	\$180.00
	15	Hours labor for sump- heater- float cleaning, and tower inspection	\$90.00	\$1,350.00
Q3	5	1 gallon Formula CL-2	\$32.00	\$160.00
	2	Hours labor for air inlets and sump disinfection	\$90.00	\$180.00
Q4	5	1 gallon Formula CL-2	\$32.00	\$160.00
	2	Hours labor for air inlets and sump disinfection	\$90.00	\$180.00
	15	Hours labor for sump- heater- float cleaning, and tower inspection	\$90.00	\$1,350.00

**LOT B – Henrico County Public School Service Locations**

**NOTE 1: Under System Type, Condenser NCD = Condenser with a Non-Chemical Device**

**NOTE 2: Under System Type, Condenser BD = Condenser with Dual Biocide Feed Option**

<b>Item #</b>	<b>Building</b>	<b>System Type</b>	<b>Service Frequency</b>	<b>Unit Price</b>	<b>Extended Price</b>
<b>1</b>	Deep Run HS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>2A</b>	Freeman HS Field House	1 –Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>2B</b>	Freeman HS Gym	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>3</b>	Glen Allen HS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>4A</b>	Godwin HS Field House	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>4B</b>	Godwin HS Main	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>4C</b>	Godwin HS Q Chiller	1 –Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>5</b>	Henrico HS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>6</b>	Hermitage HS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>7</b>	Highland Springs HS	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520</b>
<b>8A</b>	Oaks Complex (Formally HSHS and HSHS Gym)	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>

<b>8B</b>	Oaks Complex (Formally HSHS and HSHS Gym)	1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>8C</b>	Advanced Career Education Complex (formally HSHS Vo Tech)	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>9</b>	J.R. Tucker HS	1 – EG Chill Loop	Quarterly	<b>\$5.00</b>	<b>\$20.00</b>
		1 – Hot Loop	Quarterly	<b>\$5.00</b>	<b>\$20.00</b>
		1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
<b>10a</b>	Varina HS Aud	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>10B</b>	Varina HS Gym	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>10C</b>	Varina HS Spec Center	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>11</b>	Virginia Randolph HS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>12</b>	Brookland MS Main	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>13</b>	Elko MS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>14A</b>	Fairfield MS	1 – Glycol Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>14B</b>	Fairfield MS Gym	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>15</b>	Holman MS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>16</b>	Hungary Creek MS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>

<b>17</b>	Moody MS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>18</b>	Pocahontas MS	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>19A</b>	Quioccasin MS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>19B</b>	Quioccasin MS office	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>20</b>	Rolfe MS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>21</b>	Short Pump MS Main	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>22</b>	Tuckahoe MS	1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>23</b>	Wilder MS	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>24</b>	Ashe ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>25</b>	Baker ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>26</b>	Colonial Trail ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>



<b>27</b>	Donohoe ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>28</b>	Donohoe ES Addition	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>29</b>	Dumbarton ES	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>30</b>	Echo Lake ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>31</b>	Fair Oaks ES	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>32</b>	Gayton ES Main	1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>33</b>	Gayton ES Small	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>34</b>	Glen Allen ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>35</b>	Glen Lea ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>36</b>	Greenwood ES	1 –Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – PG Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>37</b>	Harvie ES	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>38</b>	Johnson ES	3 – Hot Loops	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		3 – CC Loops	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>39</b>	Kaechele ES	1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>40</b>	Laburnum ES	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>

		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>41</b>	Lakeside ES	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>42</b>	Longdale ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>43</b>	Newbridge	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>44</b>	Nuckols Farm ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>45</b>	Pemberton ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		2 – Steam Boilers	Monthly	<b>\$90.00</b>	<b>\$1,080.00</b>
<b>46</b>	Pinchbeck ES	1 – Hot Loop – Caf.	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>47</b>	Ratcliffe ES	1 – EG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>48</b>	Ridge ES	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>49</b>	Rivers Edge ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – Heat Pump Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>50</b>	Sandston ES	1 – Condenser DB	Monthly	<b>\$160.00</b>	<b>\$1,920.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>51</b>	Seven Pines ES	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>52</b>	Shady Grove ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>53</b>	Short Pump ES	1 – Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>54</b>	Skipwith ES	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>55</b>	Springfield Park ES	1 – PG Chill Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>

<b>56</b>	Three Chopt ES	1 – Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>57</b>	Trevvett ES	1 – Condenser NCD	Monthly	<b>\$210.00</b>	<b>\$2,520.00</b>
		1 – CC Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>58</b>	Tuckahoe ES	1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>59</b>	Twin Hickory ES	1 – Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Hot Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
<b>60</b>	Ward ES	1 – PG Chilled Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>
		1 – Dual Temp Loop	Quarterly	<b>\$6.00</b>	<b>\$24.00</b>

**Cooling Tower Data for 36 Tower Cells:**

**Water treatment disinfection services that include quarterly sump disinfection, and semi-annual Legionella bacteria testing**

<b>Quarter</b>	<b>Quantity</b>	<b>Item</b>	<b>Cost Each</b>	<b>Total</b>
<b>Q1</b>	<b>5</b>	<b>1 gallon Formula CL-2</b>	<b>\$32.00</b>	<b>\$160.00</b>
	<b>2</b>	<b>Hours labor for air inlets and sump disinfection</b>	<b>\$90.00</b>	<b>\$180.00</b>
<b>Q2</b>	<b>5</b>	<b>1 gallon Formula CL-2</b>	<b>\$32.00</b>	<b>\$160.00</b>
	<b>2</b>	<b>Hours labor for air inlets and sump disinfection</b>	<b>\$90.00</b>	<b>\$180.00</b>
	<b>10</b>	<b>Hours labor for sump- heater- float cleaning, and tower inspection</b>	<b>\$90.00</b>	<b>\$900.00</b>
<b>Q3</b>	<b>5</b>	<b>1 gallon Formula CL-2</b>	<b>\$32.00</b>	<b>\$160.00</b>
	<b>2</b>	<b>Hours labor for air inlets and sump disinfection</b>	<b>\$90.00</b>	<b>\$180.00</b>
<b>Q4</b>	<b>5</b>	<b>1 gallon Formula CL-2</b>	<b>\$32.00</b>	<b>\$160.00</b>
	<b>2</b>	<b>Hours labor for air inlets and sump disinfection</b>	<b>\$90.00</b>	<b>\$180.00</b>
	<b>10</b>	<b>Hours labor for sump- heater- float cleaning, and tower inspection</b>	<b>\$90.00</b>	<b>\$900.00</b>
				<b>\$3160.00</b>



### Purchasing Director Summary Memo

Date: January 3, 2023

To: Oscar Knott, Purchasing Director

Through: Eileen Falcone, Assistant Division Director EF (initial)

From: Jon Creger, Procurement Analyst II JC (initial)

Subject: IFB No. 22-2459-12JEC – Chemicals for Water Treatment, Quarterly Service, Testing and Emergency Repairs for Piping and Water Treatment Systems

Using Agency: All County

Total Amount: Annual

Remarks: Annual contract to provide Chemical Water Treatment and related services to the County and HCPS.

This solicitation was published on December 7, 2022. On December 22, 2022, one response was received with Water Chemistry, Inc. being the lowest responsive and responsible bidder. The County and HCPS has reviewed the low bid and recommends award of an annual contract to Water Chemistry, Inc.

Water Chemistry, Inc. is a small business and is not located in Henrico County, Virginia.

The County Attorney's Office has reviewed and approved to form the resulting contract.

Please return to Jon Creger upon review and signature.

Approved  Denied

A handwritten signature in black ink, appearing to read "Oscar Knott".

Oscar Knott, Purchasing Director

01/03/2023

Date