

**3. TREATMENT CHEMICALS AND SERVICES FOR CLOSED AND OPEN LOOP HVAC SYSTEMS -- OPERATIONS SUPPORT SERVICES
 FUNDING -- OPERATIONS SUPPORT SERVICES**

(Request sent to 15 vendors)

RFB #17-0015 Contract

	American Water Treatment, Inc.	Nalco, An Ecolab Company	ChemTreat, Inc.
Annual Cost	\$18,555.00	\$44,400.00	\$41,550.00
Per hour, in-person consultation	\$80.00 *	Included	Included
Unit cost for lab fees	\$200.00-\$500.00 *	Included	Included
Unit cost for recommendation preparation	Included	Included	Included
Chemicals, priced per pound:			
	CW211 \$18.60	3DTS68 \$16.00	BL 1253 \$2.13
	BIO-CLEAR \$40.00	7346 TAB \$10.00	BL 151 \$2.40
	K-BROM G \$13.00	SOLIDBIONOX \$52.00	BL 1772 \$2.24
	LT-20 \$85.00	TRAC107PLUS \$6.00/lb. or \$54.00/gallon	CL2873 \$3.30
	BELLACIDE 355 \$49.89	TRAC101 \$8.00/lb. or \$72.00/gallon	C1456SR \$29.86
	Bromicide BCDMH \$9.00	1720 Sulfite \$5.80/lb. or \$52.20/gallon	C1457SR \$25.17
		1820 Condensate Treatment \$8.00/lb. or \$72.00/gallon	KBROM \$22.67
		22310 Boiler Treatment \$7.20/lb. or \$64.80/gallon	C2189T \$10.65
			C2186T \$7.61
			C206T \$53.05
			AQUCARD100SR \$66.19

On the recommendation of Kim Bush, on behalf of Operations Support Services, Jennifer Dombaugh moved to **accept the low responsive bid from ChemTreat, Inc. and establish contract pricing at the rates listed for five (5) years.** Linda Kizzire seconded the motion. The motion passed unanimously.

This contract will provide treatment chemicals and services for closed and open loop HVAC systems that are managed by Facilities Maintenance. This work will include initial and monthly testing, consulting as needed, recommendations for treatment and necessary chemicals as needed. County staff performs routine daily testing and other testing as recommended and on an as needed basis.

An effective water treatment program provides efficiency in water usage by minimizing microbial growth, scale, corrosion and sediment build up of solids on heat transfer surfaces. Proper water treatment minimizes the risk of equipment malfunction or complete failure, which could result in repairs or a replacement of equipment that could subsequently cause temporary loss of heating or cooling in the effected facility. Treatment also protects the staff and public from potential biological risks associated with accumulation of harmful bacteria within such a system.

Water treatment standards and best practices are published by the American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE).

These systems have been under a treatment plan since becoming operational. ChemTreat has been providing these services successfully for approximately 10 years.

The county paid an annual fee of \$53,760.00 on the previous contract with this vendor and spent approximately \$2,700.00 on chemicals in 2016.

Note - American Water Treatment, Inc. did not provide a complete treatment plan in their response and did not meet the Scope of Work as required in the Request for Bid.

*Price varies

Questions and Answers

Richard Powell asked: "Is this treatment plan exclusively to the Main Courthouse facility at 525 N. Main or does this include other facilities such as 141 W. Elm, etc.?"

Patrick Masterson (Facilities Maintenance) answered: "It is the Main Courthouse facility, the Adult Detention Facility, the Ronald Reagan facility, the Historic Courthouse facility, the Public Safety facility and Forensic Center is what this program covers."

Tom Stolz asked: "Can you expound upon the American Water Treatment, Inc. bid and why it was deficient and can't be considered?"

Patrick Masterson answered: "On ASHRAE, that is the standards that local treatment centers use to base their tests on if it's within safety standards and practices."

Tom Stolz asked: "So the bid from American Water Treatment, Inc. was so far off that we could not even ensure that we were within our safety standards?"

Patrick Masterson answered: "Not only that, but they only had part of the cooling. They did not address any of the heating chemicals. So they only had half of the program."