



CONTRACT RENEWAL LETTER

Date: October 29, 2024
Contract #: UCPJMU6794
Service: Water Treatment & Services for Cooling Towers, Boilers, & Related Equipment
Renewal Period: 1/3/2025 to 1/2/2026
Renewal #: 1 of 9 One-Yr
Issued By: James Madison University
Michael Morrison, Lead Contract Officer & Project Manager
Ph: 540-568-6181
Fx: 540-568-7935
Contractor: Water Chemistry, Inc.
Attn: Scott Russow
3404 Aerial Way Drive
Roanoke, VA 24018
Ph: (540) 343-3618
Contract Administrator: David Eppard, Facilities Management

Description of Renewal Notice:

In accordance with the renewal provision of the original contract all terms, conditions, and specifications of the original contract remain the same during the contract renewal period, along with any modifications that have been incorporated up until this point. The contract pricing is hereby replaced with the attached pricing schedule.

All invoices shall be submitted within sixty days of contract renewal term expiration as well as for each subsequent contract renewal period. Any invoices submitted after the sixty day period will not be processed for payment.

Return one executed renewal notice to my attention within ten days.

Water Chemistry, Inc.

By: 

Scott Russow

Name (print)

Regional Manager

Title

October 30, 2024

Date Signed

James Madison University

By: 

Michael Morrison, MS, VCCO, CUPO, CPPB

Name (print)

Lead Contract Officer & Project Manager

Title

10/30/2024

Date Signed

Contract #: UCPJMU6794

Contractor: Water Chemistry, Inc.

Renewal Period: 1/3/2025 – 1/2/2026

Commodity: Water Treatment & Services for Cooling Towers, Boilers, & Related Equipment

Pricing Schedule

The following Labor, Other Fees, and Discounts sections represent the negotiated pricing for all represented items and should be reflected in all quotes and proposals for the University. No other fees or charges shall be acceptable.

| Monthly Pricing for Testing, Routine Services, Test Kits and Reagent Chemicals | |
|---|-------------------|
| Ninety Eight (98) closed loops with water | \$128.00 |
| Twenty Two (22) closed loops with propylene glycol | \$128.00 |
| Twenty Four (24) cooling towers with a total capacity of 8,108 tons and 31 cooling tower cells | \$1,536.00 |
| Monthly review and recommendations of Twenty Four (24) cooling towers and all 31 cooling tower cells | \$1,024.00 |
| Perform facility legionella plan testing on 24 cooling towers with quarterly provision up to 24 – 5 gallon containers of >12% active sodium hypochlorite and 24 legionella culture CDC Elite certified tests per year | \$1,305.60 |
| Monthly East and West Plant review and recommendations of five (5) HP Steam Boilers | \$1,024.00 |
| Monthly East and West Plant review and recommendations of six (6) condensate return systems | \$307.20 |
| Monthly East and West Plant review and recommendations for three (3) DA Feedwater Systems | \$102.40 |
| Monthly East and West Plant review and recommendations of four (4) water softeners | \$51.20 |
| Monthly East and West Plant review and recommendations of four (4) condensers | \$1,305.60 |
| Monthly East Plant review and recommendations of one (1) centralizer chiller water system | \$51.20 |
| Quarterly review and recommendations of Location 1 CISAT A3B Lab DI System | \$348.16 |
| Quarterly review and recommendations of Location 2 CISAT A3B Humidification RODI System | \$174.08 |
| Quarterly review and recommendations of Location 3 CISAT A3B Lab RODI System | \$506.88 |
| Quarterly review and recommendations of Location 4 A2 DI System | \$122.88 |
| Quarterly review and recommendations of Location 5 Carrier Library Humidification RO System | \$112.64 |
| TOTAL PRICE PER MONTH | \$8,227.84 |
| Pricing For Optional Services | |
| Price to perform one set of HPC and CDC Elite Certified Legionella | \$256.00 |
| Price to perform one set of Free Chlorine DPD Test | \$30.72 |
| Price to perform one set of Lead and Copper Test | \$122.88 |
| Price to perform one set of Total Coliform and E. Coli Bacteria Test | \$122.88 |
| Price to perform one Basic Water Management Plan | \$3,379.20 |

| Products & Equipment | |
|--|-------------------------------------|
| | % Off List Discount Offered by Zone |
| Replacement parts and/or components | 15% |
| New water systems and HVAC related equipment | 15% |

| PRICING SCHEDULE BY ZONE | | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Regular Time Labor Rates (7:30 AM – 4:00 PM Monday – Friday)* | | | | | | | | | |
| Service | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 6 | Zone 7 | Zone 8 | Zone 9 |
| Service Technician/Tradesman Labor Rate \$/hour | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 |
| Engineer/Scientist Labor Rate \$/hour | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 |
| Overtime/Emergency Labor Rates (Outside of Regular Time working hours) | | | | | | | | | |
| Service Technician/Tradesman Labor Rate \$/hour | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 | \$97.28 |
| Engineer/Scientist Labor Rate \$/hour | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 | \$179.20 |

| Other Fees | | |
|---|---|---|
| Charge Card Processing Fees: | 0 | % |
| Any extra travel will meet GSA standards. | | |

1. Any change in the scope described herein shall be mutually agreed upon by the Purchasing Agency and Contractor with all changes first being authorized through either a contract modification and/or a change order issued by the Purchasing Agency.
2. Parties agree that this Negotiation Summary modifies RFP# MPM-1195 and the Contractor's initial response to RFP# MPM-1195, and in the event of conflict this negotiation summary shall take precedence.
3. Contractor agrees that all exceptions taken within their initial response to RFP# MPM-1195 that are not specifically addressed within this negotiation summary are null and void.

Maintenance and Services for RO/DI Water Treatment Systems:

- A. **Location One, CISAT A3 Building Lab DI System:** DI system with pre and post filtration and an automatically filled storage tank with recirculation loop and UV sterilization with loop filtration.
 1. Contractor shall provide start-up costs to include all labor, materials, equipment, supervision, disposal, and documentation necessary to monitor and maintain a DI system totalizing water meter, replace all filters, exchange bottles, and UV bulbs as needed below. Note: bacteria testing to be either HPC or Total Count with a trigger of >100 cfu/ml triggering loop sanitization.

| Quantities | Materials |
|------------|--|
| 1 | 20" 5 micron polypropylene pre-filter |
| 1 | 20" 1 micron polypropylene post-filter |
| 1 | 3.6 ft ³ carbon tank |
| 3 | 3.6 ft ³ mixed bed DI tanks |
| 1 | 1.2 ft ³ mixed bed DI tanks |
| 2 | 20" 0.2 micron vent filters |
| 7 | 30" 0.2 micron final filters |
| 6 | Aquafine ZCSPL17491 254nm UV lamps |
| 12 | Aquafine ZCSPL3095 185nm UV lamps |
| 1 | Storage tank/loop Sanitization |

2. Contractor shall include the following recurring services as needed below.

| | |
|--|---------------|
| Review Operators log book and check water quality | Quarterly |
| System pre-filter cartridge replacement | Quarterly |
| System post-filter cartridge replacement | Quarterly |
| Exchange 3.6 ft ³ carbon tanks | Semi-annually |
| Exchange 3.6 ft ³ mixed bed worker DI tanks | Quarterly |
| Exchange 1.2 ft ³ mixed bed DI tanks | Quarterly |
| Replace Vent filter cartridges | Annually |
| Replace Loop Filters | Annually |
| Replace UV units lamps | Annually |
| Loop system peroxide sanitation | As needed |

B. Location Two, CISAT A3 Building Humidification Treatment System: RODI system with pre and post filtration with recirculation loop.

1. Contractor shall provide start-up costs to include all labor, materials, equipment, supervision, disposal, and documentation necessary to monitor and maintain a RODI system totalizing water meter, replace all filters, and exchange bottles as needed below.

| Quantities | Materials |
|------------|--|
| 1 | 20" 5 micron polypropylene pre-filter |
| 2 | 3.6ft ³ mixed bed worker DI tanks |

2. Contractor shall include the following recurring services as needed below.

| | |
|--|-----------|
| Review Operators log book and check water quality | Quarterly |
| System pre-filter cartridge replacement | Quarterly |
| System feed water analysis | Quarterly |
| Load softener salt to brine tank | Quarterly |
| Exchange (2) 3.6ft ³ mixed bed worker DI tank | Quarterly |
| System UV Bulb replacement | Quarterly |

C. Location Three, CISAT A3B Building Lab RO/DI System: RO/DI System with per and post filtration and two automatically filled storage tanks with dual recirculation loops and dual UV sterilization with dual loop filtration.

- Contractor shall provide all-inclusive costs to include all labor, materials, equipment, supervision, disposal, and documentation necessary to monitor and maintain a DI totalizing water meter, replace all filters, exchange bottles and UV bulbs as needed below. Note: bacteria testing to be either HPC or Total Count with a trigger of >100 cfu/ml triggering loop sanitization.

| Quantities | Materials |
|------------|--|
| 1 | 20" 5 micron BB polypropylene sys pre-filter |
| 1 | 10" 5 micron BB polypropylene RO pre-filter |
| 15 | 40# bags of softener salt with rust remover |
| 2 | 3.6ft ³ mixed bed worker DI tank |
| 1 | 20" 1 micron polypropylene DI post-filter |
| 4 | 20" 0.2 micron vent filters |
| 28 | 30" 0.2 micron final filters |
| 8 | Aquafine ZCSPL17491 254nm UV lamps |

- Contractor shall include the following recurring services as needed below.

| | |
|--|-----------|
| Review operators log book and check water quality | Quarterly |
| System feed water analysis | Quarterly |
| Replace system inlet pre-filter cartridges | Quarterly |
| Replace RO skid pre-filter cartridges | Quarterly |
| Deliver and Load softener salt to brine tank | Quarterly |
| Exchange (1) 3.6ft ³ mixed bed worker DI tank | Quarterly |
| Replace DI post-filter cartridges | Quarterly |
| Replace vent filter cartridges | Annually |
| Replace loop filters | Annually |
| Replace UV unit lamps | Annually |
| Loop System peroxide sanitization | As needed |

D. Location Four, A2 Lab DI System: Location has Recirculating DI System

- Contractor shall provide all-inclusive costs to include all labor, materials, equipment, supervision, disposal, and documentation necessary to monitor and maintain a DI totalizing water meter, replace all filters, exchange bottles and UV bulbs as needed below.

| Quantities | Materials |
|------------|--|
| 1 | 10" 5 micron polypropylene pre-filter |
| 1 | 10" 0.2 micron polypropylene post-filter |
| 1 | 1.2ft ³ carbon tank |
| 2 | 1.2ft ³ mixed bed DI tanks |
| 1 | UV Lamp |

2. Contractor shall include the following recurring services as needed below.

| | |
|---|---------------|
| Review Operators log book and check water quality | Quarterly |
| System pre-filter cartridge replacement | Quarterly |
| System post-filter cartridge replacement | Quarterly |
| Exchange 1.2ft ³ carbon tank | Semi-annually |
| Exchange 1.2ft ³ mixed bed worker DI tanks | Quarterly |
| Replace UV lamps | Semi-annually |

E. Location Five, Carrier Library Humidification RO System: Location has Recirculating RO System

1. Contractor shall provide all-inclusive costs to include all labor, materials, equipment, supervision, disposal, and documentation necessary to monitor and maintain a RO System, replace all filters, and UV bulbs as noted below.

| Quantities | Materials |
|------------|--|
| 1 | 10" 5 micron polypropylene pre-filter |
| 1 | 10" 0.2 micron polypropylene post-filter |
| 2 | 1.2ft ³ mixed bed DI tanks |
| 1 | UV Lamp |

2. Contractor shall include the following recurring services as needed below.

| | |
|---|---------------|
| Review Operators log book and check water quality | Quarterly |
| System pre-filter cartridge replacement | Quarterly |
| System post-filter cartridge replacement | Quarterly |
| Exchange 1.2ft ³ mixed bed worker DI tanks | Quarterly |
| Replace UV lamps | Semi-annually |

F. Special notes for all systems

- a) Total system volumes are not known.
- b) The minimum desired water quality for all systems is >1 megohms
- c) Electronic Service Reports shall be generated and emailed to JMU staff the day of service
- d) All exchange tanks are the property of the Contractor

G. Contractor shall perform work between 7:30 AM – 4:00 PM, Monday through Friday.

H. All costs shall be exclusive of travel. Exception may be granted by JMU on a case-by-case basis. In the event an exception is made, contractors billing for travel-related expenses must be billed in accordance with the Commonwealth of Virginia's per diem allowance for

lodging, meals, and incidental expenses at the time of travel which can be referenced at <http://www.jmu.edu/finprocedures/4000/4215mie.shtml>.

- I. All services provided under this contract shall be trained repair technicians and all work shall be performed in a workmanlike manner in accordance with the manufacturer's recommended equipment maintenance procedures. Submit all qualifications and certifications associated with the different systems.