Department of Defense
Defense Health Agency
Performance Work Statement

Medical-Grade Reverse Osmosis (RO) Water Purification Systems Preventative Maintenance Services

88th Medical Group at Wright-Patterson AFB, OH

31 July 2026

Part 1: General Information

1.1. **Introduction & Background:** This is a non-personal services contract to provide comprehensive preventative maintenance for the Reverse Osmosis (RO) water purification systems at the Wright-Patterson AFB Medical Treatment Facility. This effort includes all tasks and activities necessary to provide water purification equipment support services.

1.2. **Scope of Work:** The contractor shall provide preventative maintenance on two (2) main and two (2) portable Reverse Osmosis (RO) systems. These systems produce medical-grade water utilized directly in the Hemodialysis Clinic and the Sterile Processing Department (SPD), requiring strict adherence to healthcare water quality standards.

- **Central Sterile RO (Main):** Make: US Water Systems | Model: Defender HD Multi-use | SN: None
- **Hemodialysis RO (Main):** Make: Mar Cor Purification | Model: RO,CWP,13LPM,101 | SN: 1379351
- **Hemodialysis Mobile RO (Portable):** Make: AmeriWater | Model: Centurion | SN: CEN190004
- **Hemodialysis Mobile RO (Portable):** Make: AmeriWater | Model: Centurion | SN: CEN190011

Key systems include UV Disinfection Systems, Filtration Components, and the core RO Systems located in the Hemodialysis Clinic and Sterile Processing Department. The contractor shall ensure the operational integrity of the equipment in accordance with this PWS.

1.3. Period of Performance

- Base Year: 31 July 2026 to 30 July 2027
- Option Year 1: 31 July 2027 – 30 July 2028
- Option Year 2: 31 July 2028 – 30 July 2029
- Option Year 3: 31 July 2029 – 30 July 2030
- Option Year 4: 31 July 2030 – 30 July 2031

1.4. **Place of Performance:** 4881 Sugar Maple Dr, Rooms BR19 & 3D04 Wright-Patterson AFB, Ohio 45433

1.5. **Hours of Operation:** The contractor shall conduct business Monday through Friday, except for federal holidays. The contractor must maintain an adequate workforce for the uninterrupted performance of all tasks during standard operating hours.

1.6 **Federal Holidays:** Contractor services are not required on the following Federal holidays.

New Year's Day	Birthday of Martin Luther King, Jr.
Washington's Birthday	Memorial Day
Juneteenth National Independence Day	Independence Day
Labor Day	Columbus Day
Veterans Day	Thanksgiving Day
Christmas Day	

Part 2: Specific Tasks

2.1. Initial System Assessment

- Within thirty (30) calendar days of the start of on-site contract work, the contractor shall conduct a complete assessment and inspection of all RO equipment and systems included under this contract to establish a baseline of system health.

2.2. Sanitization and Cleaning: The contractor shall perform comprehensive system and loop sanitization on all four (4) Reverse Osmosis (RO) systems in accordance with the manufacturer's specified intervals and hospital safety standards. The required frequencies are as follows:

- The Mar Cor system loop shall be heat-disinfected nightly and chemically sanitized weekly.
- The Central Sterile (Defender) RO shall be cleaned and sanitized every three (3) months, according to the certified installer's recommendation.
- The portable AmeriWater Centurion units shall be chemically sanitized every six (6) months.

2.3. Annual Requirements

UV Bulb Replacement:

- Replacement of UV disinfection bulbs (for the Pulsar UV system on the Defender HD and the UV systems on the Mar Cor/AmeriWater units).
- Annual system-wide calibration and verification of UV intensity meters.

2.4. Bi-Annual Requirements

Complete two (2) product water trace elemental analyses per year. The analysis must verify that the water quality meets or exceeds AAMI medical-grade specifications for patient care.2.6. General Maintenance & Consumables,

- **System Monitoring:** Monitor the system via audible and visual alarms to detect any malfunctioning status during scheduled maintenance.

- **Preventative Services:** Contractor technicians are responsible for routine preventative maintenance, including flushing and system disinfection, using appropriate infection control procedures to prevent cross-contamination.

- **Consumables & Parts:** The contractor shall provide all routine consumables required for operation, including salt required for water softening. All repair parts and replacements for the RO products/components utilized during preventative maintenance shall match existing materials and fixtures, and be new, standard parts with at least a 90-day warranty.

- **Liability:** The contractor is not liable for repairs resulting from catastrophic accidents, neglect, misuse, or facility-related failures (e.g., electrical power, humidity control) not caused by the contractor.

Part 3: Contractor Qualifications & Standards

3.1. Technical Qualifications

- All services must be performed by technically qualified and authorized service personnel.

- Personnel must have experience performing scheduled preventative maintenance and demonstrate a thorough knowledge of the system hardware.

3.2. Company Qualifications

Any qualified company capable of maintaining the systems listed in Section 1.2 may bid on this service contract, provided they meet the following minimum qualifications:

- **Medical-Grade Experience:** The company and its service personnel must possess demonstrated corporate experience maintaining medical-grade or healthcare-facility Reverse Osmosis systems, specifically those operating under AAMI (Association for the Advancement of Medical Instrumentation) standards.

- **Warranty Preservation:** All software licensing, warranties, and service must be provided and maintained in strict accordance with Original Equipment Manufacturer (OEM) terms and conditions to avoid voiding any existing warranties on the equipment.

3.3. Contractor Identification

Contractor personnel must possess and wear an identification badge displaying their name and company. They must ensure all Government personnel understand they are contractor support personnel in all interactions.

3.4. Applicable Standards

All maintenance, sanitation, and water quality testing shall be performed in strict accordance with the Association for the Advancement of Medical Instrumentation (AAMI) standards for water treatment equipment used in hemodialysis and medical device reprocessing.