Product Description

GENERAL INTENT

In support of Naval Facilities Engineering System Command Europe Africa Central (NAVFAC EAC) - Public Works Department (PWD), this Performance Work Statement (PWS) establishes requirements for the provision of chemicals for Water Treatment Plants (WTPs), Swimming Pools, and Heating, Ventilation and Air Conditioning (HVAC) Closed Loop System.

The Contractor shall provide all chemical products required to maintain proper water treatment standards for:

- Water Treatment Plant located at U.S. Naval Support Activity (NSA), Capodichino, Naples;
- Water Treatment Plant located at Carney Park, Via Campana, Pozzuoli (NA);
- Swimming Pools located at U.S. Naval Support Activity (NSA), Capodichino, Naples;
- Swimming Pools located at Carney Park, Pozzuoli, Naples;
- HVAC, Boilers, Cooling Towers and septic tanks at various facilities within U.S. Naval Support Activity, Capodichino, Naples.

1.0 SECTION I - SCOPE FOR WATER TREATMENT PLANTS

The Contractor shall provide all chemicals necessary to achieve the water treatment objectives required by this contract.

The chemical products to be provided under this contract shall be used for water treatment at the facilities cited above located at U.S. Naval Support Activity (NSA), Capodichino, Naples and Carney Park, Via Campana, Pozzuoli, Naples, Italy.

The chemicals provided by the Contractor shall comply with all applicable standards and regulations for water treatment chemicals and shall be compatible with the existing water treatment systems used by the U.S. Government.

1.1. GENERAL DESCRIPTION AND WORK LOCATION

The Contractor shall provide all chemical supplies, as specified in each Delivery Order, necessary for the treatment of potable water at the specified WTPs.

The chemicals under this contract shall be delivered to the following facility: Building 459 (Water Treatment Plant) located at the U.S. Naval Support Activity Capodichino, Naples.
The exact building/location and contact person will be provided with each Delivery Order placed against the contract.

1.2. DETAILED SPECIFICATIONS

1.2.1. CONTRACTOR PROVIDED CHEMICALS AND PRODUCTS

The Contractor shall furnish all the documentation and certifications related to the drinking water chemical treatment as per specifications listed below.

All chemicals purchased that will contact water for human consumption shall comply with National Sanitation Foundation (NSF)/American National Standards Institute (ANSI) Standard 60-2023 "Drinking Water Treatment Chemicals – Health Effects".

Contractor shall supply the following chemicals certified to meet the NSF/ANSI 60 standard "Drinking Water Treatment Chemicals – Health Effects". NSF/ANSI 60 certification must be issued by an ANSI accredited organization for certification to the NSF/ANSI 60 standard:

- NSF/ANSI 60 - R.O. Antiscalant “Antincrostante per Osmosi Inversa”;
- NSF/ANSI 60 - Sodium Hydroxide (30%) “Soda Caustica”;
- NSF/ANSI 60 - Sodium Hypochlorite (12-18%) “Ipoclorito di Sodio”;
- NSF/ANSI 60 - Hydrochloric Acid “Acido Cloridrico”;
- NSF/ANSI 60 - Sodium Chloride (Softener Salt) “Sale per Addolcitore”.

The strength of Sodium Hypochlorite (NaOCl) on delivery shall be approximately 15% weight/weight (w/w) Free Available Chlorine (FAC) with a maximum of 18% and minimum of 12%.

The strength of Sodium Hydroxide (NaOH) on delivery shall be approximately 35% (w/w) available caustic soda with a maximum of 50% and minimum of 25%.

Contractor shall supply the following chemicals (reagents) certified to meet manufacturer's specifications for each related equipment and to assure USEPA compliance:

- NSF/ANSI 60 - R.O. Antiscalant “Antincrostante per Osmosi Inversa”;
- NSF/ANSI 60 - Sodium Hydroxide (30%) “Soda Caustica”;
- NSF/ANSI 60 - Sodium Hypochlorite (12-18%) “Ipoclorito di Sodio”;
- NSF/ANSI 60 - Hydrochloric Acid “Acido Cloridrico”;
- NSF/ANSI 60 - Sodium Chloride (Softener Salt) “Sale per Addolcitore”.

All deliveries shall document the manufacturer, the dates of manufacture, and the supplier, and a certificate of compliance with NSF/ANSI 60 Standard.

All deliveries shall document the original chemical manufacturer (i.e. manufacturer in which some process is used to produce a drinking water treatment chemical). In addition to the NSF Mark, the following is required on the product packaging or bulk shipping documents:

- Company Name;
- Production location;
- Trade designation/model;
- Lot number code and date of manufacturer;
- Chemical name;
- Net Weight or Volume;
- Maximum Use Level;
- Certificate of compliance with NSF/ANSI 60 standard "Drinking Water Treatment Chemicals – Health Effects".

Contractor shall initially, and annually thereafter, independently verify the compliance with NSF/ANSI 60 "Drinking Water Treatment Chemicals – Health Effects" standard for each and every supplier and original chemical manufacturer utilized for supply of sodium hypochlorite, sodium hydroxide, sodium chloride and R.O. antiscalant.

Product samples may be requested for evaluation before approval.

1.2.2. CHEMICAL DELIVERY

Delivery of the drinking water treatment chemicals shall be made directly to Building 459 Water Treatment Plant (WTP), Naval Facilities Engineering System Command (NAVFAC) Public Works Naples, Production Division, Utilities and Energy Management branch (UEM), Capodichino, Naples.

Delivery shall be maximum seven (7) working days from the date a delivery order is issued. Working days include weekdays (Monday through Friday) with the exception of United States and Italian holidays. If the seventh working day from order placement falls on a non-working day (weekend or holiday), the delivery date shall be the next working day. This delivery requirement applies to all products ordered under this contract.

On the date of expected arrival of the drinking water treatment chemicals, the transporter's driver shall call the appropriate Government Technical Point-of-Contact (TPOC) stating an estimated time of arrival.

NSF/ANSI 60 R.O. Antiscalant; NSF/ANSI 60 Sodium Hydroxide; NSF/ANSI 60 Sodium Hypochlorite; Distilled Water; NSF/ANSI 60 Hydrochloric Acid and NSF/ANSI 60 Sodium Chloride (Softener Salt) shall be delivered in 25 L containers with tamper proof seals. NSF/ANSI 60 standard certified chemicals shall be delivered in their original container.

The product container or documentation shipped with the product, such as a product technical data sheet, or Safety Data Sheet (SDS) shall be clearly identified with the manufacturer's name and address, product identification, net weight, production date, lot number, maximum use level and certification markings of applicable certification organizations. All containers requiring special precautions for handling, storage and use shall be marked and shall not contribute contaminants to the finished product and shall be properly sealed to prevent contamination during shipping and storage.

NAVFAC PWD Naples – PRODIV/Utility and Energy Management (UEM) branch reserves the right to reject any shipment that does not include the proper documentation or that does not match the screening tests. In the event a delivery is rejected, the Contractor shall provide a replacement shipment meeting the requirements of this specification within 24 hours.

Furthermore, only new containers shall be used for delivery of sodium hypochlorite, sodium hydroxide and R.O. antiscalant. Upon delivery of new chemicals, Contractor shall take back empty chemical containers.

2.0 SECTION II – SCOPE FOR SWIMMING POOLS AND HVAC CLOSED LOOP SYSTEMS

The Contractor shall provide chemicals, as specified in each Delivery Order, necessary to achieve and maintain water treatment standards for swimming pools, HVAC, Boilers, Cooling Towers and septic tanks as required by this contract.

2.1 GENERAL DESCRIPTION AND WORK LOCATION

The Contractor shall provide chemical supplies necessary for the treatment of swimming pool water and HVAC closed loop systems at U.S. Naval Support Activity (NSA), Capodichino, Naples.

2.2 DETAILED SPECIFICATIONS

2.2.1 CONTRACTOR PROVIDED CHEMICALS AND PRODUCTS

The Contractor shall provide swimming pool chemicals that comply with industry standards for recreational water treatment and are compatible with existing pool systems and

maintenance of closed loop systems including boilers, cooling towers, septic tanks and related equipment.

All chemical used for treatment of swimming pool water shall comply with National Sanitation Foundation (NSF)/American Standards Institute (ANSI) Standard 50 “Equipment and Chemicals for Swimming Pools, Spas and Hot Tubs” where applicable.

The Contractor shall supply the following chemicals certified to meet the NSF/ANSI 50 Standard for swimming pool treatment:

- Flocculating Agent Polyfloc;
- Wide Spectrum Biocide (Algicide);
- Chlorine Granulated (60/63% solution);
- Calcium Hypochlorite;
- Water pool treatment for Winter Season.

The Contractor shall supply the following NSF/ANSI 50 certified testing reagents for swimming pool water analysis:

- DPD Free Chlorine Reagent (250 Tablet) for Lovibond Photometer;
- DPD Total Chlorine Reagent (250 Tablet) for Lovibond Photometer;
- Cyanuric Acid Reagent (250 Tablet) for Lovibond Photometer;
- Phenol Red Reagent (250 Tablet) for Lovibond Photometer.

The Contractor shall also supply the following additional swimming pool chemicals:

- Basic Chemical Compound pH Corrector (pH Minus);
- De-Chlor Pool;
- Cationic Surface Active (Antimucotic);
- Scale Remover for Swimming Pool Surfaces;
- Degreaser for Swimming Pool Flooring;
- Diatoms;
- Kit Reagent for Pool Controller.

All NSF/ANSI 50 certified chemical shall be delivered in their original containers with the NSF/ANSI 50 certification mark clearly visible.

The Contractor shall provide chemicals for boilers and cooling towers that comply with industry standards and are compatible with existing systems.

The Contractor shall supply the following chemicals for boiler treatment:

- Antiscalant/Oxygen Remover/Dispersant for Steam Water Boiler;
- Antiscalant/Anti-Corrosive/Dispersant for Steam Water Boiler.

The Contractor shall supply the following chemicals for cooling tower treatment:

- Antiscalant/Corrosion Inhibitor for Water Cooling Tower;
- Biocide for Water Cooling Tower.

The Contractor shall supply the following chemicals for septic tank treatment:

- Neutralizing/Oxidizing Bad Odors for Septic Tank;
- Additives Enzyme for Septic Tank.

All chemicals shall be delivered in their original containers with proper labeling in accordance with applicable safety regulations. All products shall be accompanied by Safety Data Sheet (SDS) in both Italian and English.

Delivery of the HVAC Closed loop, swimming pools, cooling towers and septic tanks treatment chemicals shall be made directly to Naval Facilities Engineering System Command (NAVFAC) Public Works Naples, Production Division, Facilities Management and Sustainment branch (FM&S), Capodichino, Naples.

2.2.2 EQUIPMENT AND TESTING KITS

The Contractor shall supply the following equipment and testing kits for water analysis:

- Portable pH-Meter;
- Buffer Solution pH7;
- Buffer Solution pH4;
- Portable Conductivity Meter;
- Analysis Kit for Refrigeration Equipment Water;
- Buffer Solution Conductivity;
- Analysis Kit for Boiler Hot Water;
- Analysis Kit for Total and Dissolved Iron;
- Easicult Kit (to Monitor the effectiveness of Antimicrobial agents);
- Kit Sulphine;
- Kit Phosphate;
- Kit Iron;
- Kit Hardness;
- Chloride;
- Kit Alkalinity P;
- Kit Alkalinity M.

Delivery of all equipment and testing kits shall be made directly to the Naval Facilities Engineering System Command (NAVFAC) Public Works Naples, Production Division, Facilities Management and Sustainment branch (FM&S), Capodichino, Naples, in accordance with the delivery timeframes established in this contract.

3.0 QUALITY CONTROL

All items delivered under this contract shall have the same specifications as those listed in this Work Statement and be delivered in their original packaging. All products and chemicals shall be accompanied by product literature, Safety Data Sheet (SDS) in the Italian and English version, Hazard Warning Labels in accordance with DFARS 252.233-7001, "Hazard Warning Labels", and other supporting manufacturer's data cut sheets.

If Contractor proposes items with different specifications from the ones cited herein, the Contractor shall provide all of the above in relation to the alternate item(s) being proposed and will be subject to the approved/disapproved by the TPOC.

The Government TPOC shall perform all surveillance and inspections listed in Section 7 below.

4.0 DELIVERABLES

Provide the Government with the following submittals:

Within ten (10) calendar days from the date of the award of the delivery order:

- Safety Data Sheet (SDS) in Italian and English;
- Manufacturer's data cut sheet of the proposed chemicals;
- Certificate of compliance with National Sanitation Foundation (NSF)/American National Standards Institute (ANSI) Standard 60-2023 "Drinking Water Treatment Chemicals – Health Effects";
- Certificate of compliance with National Sanitation Foundation (NSF)/American National Standards Institute (ANSI) Standard 50 "Equipment and Chemicals for Swimming Pools".

With each delivery:

- Delivery note/packaging list;
- Certificate of compliance with NSF/ANSI 50 Standard;
- Certificate of compliance with NSF/ANSI 60 Standard;
- Documentation identifying manufacturer, product date, and lot number;
- Product technical data sheets.

5.0 SAFETY REQUIREMENTS

The Contractor shall, at no additional cost to the Government, be responsible for obtaining any necessary licenses, permits, and for complying with any applicable law, code and regulation, in connection with the performance of this contract. Additionally, the Contractor is responsible for ensuring that proper safety and health precautions are taken to protect the work, the workers, the public, and Government property.

One (1) designated Government Technical Point-of-Contact (TPOC) will coordinate all operations during the execution of this contract and will coordinate assistance in case of chemical spills or accidents. The TPOC's contact information shall be provided upon award.

All work under this contract shall be performed in accordance with the following laws and safety standards:

- D.lgs 09 April 2008, n.81 and subsequent modifications;
- Ministero del Lavoro e delle Politiche Sociali (MLPS) – Ispettorato Nazionale del Lavoro;
- Occupational Safety and Health Administration (OSHA) 29 CFR 1910 "Safety Standards for General Industry and Construction.

6.0 PLACE OF DELIVERY

Contractor shall deliver all chemical products to U.S. Naval Support Activity, Viale Ruffo di Calabria, Aeroporto di Capodichino, Naples, Italy.