

APPENDIX A**SCOPE OF SERVICES****1. SCOPE OF WORK**

The Contractor shall provide Sodium Hypochlorite, along with the lease of four (4) tanks, as outlined below:

- Delivery of full truckloads of Sodium Hypochlorite
- Delivery of less-than-full truckloads of Sodium Hypochlorite
- Lease and provision of four (4) 3000 Gallon Bleach tanks

2. SPECIFICATIONS AND REQUIREMENTS

Product specifications'(as per ANSI/AWWA 300-24 standard for Hypochlorite latest revision):

- Trade name: Hypochlorite Solution, Bleach
- Chemical formula: NaOCl
- Specific gravity: at 20C -U -1,2
- Molecular weight 74.5
- Appearance: Light-yellow to green clear liquid solution Solubility in water: Complete
- Freezing Temperature: minus 7C to minus 10C 12% Solution Strength and pH range of 11 to 13

3. STANDARDS

Hypochlorite supplied under this contract shall be tested and certified as meeting these

specifications and those of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60), Drinking Water Treatment Chemicals Health Effects, It is the responsibility of the Contractor to inform the City that NSF or UL certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification may constitute sufficient grounds for immediate termination of the contract between the participating agency and the Contractor.

Hypochlorite delivered under this contract shall have a minimum of 120 Grams per Liter (GPL) available chlorine (i.e., 12.0 Trade Percent).

Hypochlorite delivered under this contract shall have a minimum of 0.15 percent by weight sodium hydroxide and a maximum of 0.45 weight percent sodium hydroxide.

Sampling and testing shall be in accordance with EPA and AWWA 300-24 standards and NSF certification must be provided with every delivery.

4. CLEAN TANK GUARANTEE

At any time during the performance of this Agreement, if the City has any sort of sludge or other impurity buildup in any of its sodium hypochlorite tanks, the Contractor shall clean out the tank at no charge to the City within seven (7) days, unless such timeframe is extended by the City.

The cleanout should be done in such a manner so that it is done safely with no loss of disinfection to the affected plant and the contents disposed of in accordance with current regulations on disposal of hazardous wastes. The Contractor shall submit a procedure to the participating agency for the approval prior to this work being completed. The determination of whether there is any such sludge or impurity buildup in the tanks will be at the sole discretion of the City. When the tank has been properly cleaned, the Contractor shall refill the tank with clean, fresh sodium hypochlorite at no cost to the City. Failure of the Contractor to clean out the tank and replace the sodium hypochlorite within seven (7) days after being served notice (or within any extension of this timeframe specified by the City) shall be cause for immediate termination of the sodium hypochlorite supply Agreement between the City and the Contractor.

5. DELIVERY LOCATION, SIZE OF TANKS AND ESTIMATED ANNUAL USAGE

- Delivery Location: 11791 SW 49 Street, Cooper City, FL 33330 City of Cooper City Utilities Department
- Estimated Gallons of Sodium Hypochlorite Per Year: 80,000 gallons

6. LEASING OF TANKS

The Contractor shall lease to the City 3000 Gallon Bleach Tank for handling of Sodium Hypochlorite. Tanks must meet all safety and environmental regulations, be compatible with Sodium Hypochlorite, and be properly maintained.