

CITY OF FALLON

ADVERTISEMENT FOR BIDS

Separate sealed Bids for bulk chemical pricing at the City of Fallon Water Treatment and Wastewater Treatment Facilities will be received by the **City of Fallon**, at their administrative office located at **55 West Williams Avenue, Fallon, Nevada 89406** until **3:00 p.m.**, local time, on, **Monday, February 17, 2021**, at which time all bids received will be publicly opened and read aloud. Emailed Bids will be accepted for this request at anoriega@fallonnevada.gov.

The Bid will consist of providing firm fixed pricing for the water treatment and wastewater treatment facilities bulk chemical supplies.

The Bid Package and Product Specifications can be viewed electronically at www.fallonnevada.gov or obtained at the following location:

City of Fallon
Building Department
55 West Williams Avenue
Fallon, Nevada 89406

Questions regarding the Bid Package or Product Specifications may be addressed to Adrian Noriega, Deputy Public Works Director at anoriega@fallonnevada.gov.



REQUEST FOR BID

Water and Wastewater Treatment Bulk Chemicals

February 2021

Request for Bids

Water and Wastewater Treatment Chemicals

The City of Fallon as “City”; is soliciting firm fixed pricing for the purchase and delivery of water and wastewater chemicals for the period from March 01, 2021 through December 30, 2021. Purchases will be in full tanker truckloads (TTL), Less than Truckload (LTL), pallet loads or as noted below. All pricing is for chemicals delivered. No fuel surcharges will be considered unless spot diesel fuel prices for over the road vehicles rise above \$4.50 per gallon for 60 consecutive days.

GENERAL SPECIFICATIONS & INSTRUCTIONS TO BIDDERS

Scope

It is the intent of this request for bids to obtain proposals for supplying bulk chemicals listed in the Bid Form, included hereto and hereby incorporated herein.

Compliance with Specifications

Supplier’s quote must be in strict compliance with the specifications and offer the same or equal materials. City reserves the right to allow or disallow minor deviations from the specifications in order to purchase what best meets the needs of the City from a standpoint of quality, price, and service to be rendered.

Warranty

In submitting a quote, the bidder warrants that all goods furnished shall be free from all defects and shall conform in all respects to the technical specifications established herein. The bidder expressly warrants that all items bid are fit and sufficient for their intended purpose.

Shipping

All prices are to be quoted Freight On Board (FOB) delivered, unless otherwise specified. Risk of loss and/or damage shall be upon the seller until such time as the goods have been physically delivered and accepted by the City. LTL deliveries shall be made by the supplier submitting the quote.

Unit Prices to Prevail

Prices shall be submitted on a per unit basis by line item. In the event of a disparity between the unit price and the extended price, the unit price shall prevail. Estimated chemical quantities were derived from the most recent calendar year. Estimated chemical quantities are for reference purposes only.

Bid Price Corrections

No corrections will be permitted after bid opening.

Use of Brand Names and References

Unless otherwise stated, the use of manufacturer's names and product numbers are for descriptive purposes and establishing general quality levels only.

Rejection of Bids

The City reserves the right to reject any and all bids.

Award

Award shall be made to the lowest responsive responsible bidder (also referred to as "Supplier") for **each** item taking into consideration quality, performance and time specified in the proposal for the performance of the contract. Time of delivery and prompt payment discounts will be considered in breaking tie bids.

City reserves the right to award individual bids for each chemical requested or to combine any and all bids dependent upon meeting the best interests of the City. Bidders may provide pricing for one or more items and are not required to submit pricing on all items listed.

Taxes

City is exempt from and will not pay state and/or federal taxes. An exemption certificate will be furnished upon request. Sales tax will not be a consideration in the award.

Payment

Upon complete delivery and receipt of a correct invoice, payment will be made by City Net 30.

Terms and Conditions

Terms and Conditions included herein are an integral part of the bid document and shall prevail unless changes or attachments are agreed to and initialed by City prior to the bid opening. Terms and Conditions attached to the bid by the bidder and made a condition of purchase may render the bid non-responsive and may be rejected by City.

- A. **Contract Term/Conditions:** This as a contract for a 10-month period beginning March 01, 2021 and ending Dec 30, 2021. Although the contract is for a 10-month period, said contract may be terminated at any time if funds are not appropriated and made available by the City. Bidder warrants that the bid prices, terms, and conditions quoted in his/her bid will be firm for acceptance for a period of 10 months.

- B. **Contract Extension:** City reserves the right to renew this contract after the initial contract term expires for two (2) additional years subject to the same terms and conditions upon agreement of both parties, provided that the funds have been appropriated by the city council and performance under this contract has been satisfactory. Price increase shall be considered at contract renewal time and may be cause for non-renewal.

Default

Failure to satisfactorily perform the services required by the contract for the project will be grounds for the City to declare the successful bidder in default. Unless otherwise provided herein, the contract may be canceled or annulled with a 30-day notice by the City in whole or in part by written notice of default to the bidder upon nonperformance or violation of contract terms. An award may be made to another bidder for services specified, or they may be purchased on the open market and the defaulting supplier shall be liable to the City for costs to the City in excess of the defaulted contract prices. The bidder shall continue the performance of this contract to the extent that any part is not terminated under the provisions of this clause.

Training/Safety

When requested or required, a factory-trained representative shall be made available to train City personnel in the use of and/or safety aspects of the equipment or chemical. The successful bidder shall provide a Safety Data Sheet (SDS) for each product prior to the first delivery and provide updated SDS as they occur. The supplier/transporter shall be responsible for adhering to all federal, state, and local safety rules and regulations. All supplier/transporter employees shall adhere to all safety practices and use of approved PPE during off-loading chemicals. The supplier/transporter shall be responsible for any and all chemical spills during off-loading of chemicals (containment, cleanup, and abatement). in accordance with all state and federal standards.

Contractor's Representative for Business Purposes

The name, mailing address, electronic mail address, facsimile number, and telephone number of the supplier's authorized agent with authority to bind the firm and answer official questions concerning the supplier's proposal must be clearly stated.

Leaking Containers During Shipment

All containers delivered will be inspected for leakage upon arrival and prior to unloading. Leaking containers will not be unloaded and accepted by the City. Response and remediation for any containers determined to be leaking shall remain the responsibility of the transporter.

Tie Bids

In the event of identical bids, the City will base its award recommendation on the following basis: (1) prior service records; and (2) type of equipment utilized to service the City.

Indemnity and Insurance

Bidder will indemnify and hold harmless the City, its officers, agents, and employees from and against all loss, cost, damages, expense, and liability caused by accident or other occurrence resulting in bodily injury, including death and disease to any person, or damage or destruction to property, real or personal, arising directly or indirectly from operations, products, or services rendered or purchased under the contract. Bidder, at its sole expense, will purchase and maintain the insurance listed below as A, B, & C.

- A. Automobile – Automobile bodily injury and property damage liability insurance in an aggregate amount of at least \$1,000,000.00.
- B. Commercial General Liability-Bodily injury and property damage liability as will protect bidder from claims of bodily injury or property damages which arise from operations of this contract. The amounts of such insurance coverage shall not be less than \$2,000,000.00 per occurrence and \$5,000,000.00 aggregate coverage. This insurance shall include coverage for products/completed operations, personal injury liability and contractual liability.

- C. Workers' Compensation and employers' liability meeting the statutory requirements of the State of Nevada.

The successful bidder shall provide the City with a certificate of such insurance which shall name City as an additional insured and contain the provision that the City will be given thirty (30) days written notice of any intent to amend or terminate by either the insured or the insuring company. However, a ten (10) day notice is sufficient for cancellation due to non-payment of premium.

Equal Opportunity Employer

City is an equal employment opportunity employer.

Delivery Locations

City of Fallon Wastewater Facility

1375 New River Parkway, Fallon, NV 89406

City of Fallon Water Treatment Facility

1401 New River Parkway, Fallon, NV 89406

Other

1. Certified copy of chemical analysis shall accompany bid and each delivery.
2. Delivery shall be made F.O.B. City of Fallon Water/Wastewater plants as directed at time order is placed.
3. Prices shall include loading, unloading, pumping, pallet, and all charges related to delivery.
4. Unit prices calculated other than as requested on the bid proposal sheet will not be considered unless it is easy to convert to requested bid units.

Award of Contract

No agreements with any selected bidder shall be binding until a contract is signed and executed by City and the successful bidder. All items in this RFP must be included in the proposed contract. City reserves the right to enter into a contract with another bidder in the event that the originally selected bidder fails to execute a contract with the City or defaults on its contract.

Questions

Please direct all questions to Adrian Noriega, Deputy Public Works Director at anoriega@fallonnevada.gov.

Product Specifications

Product Specifications

ITEM NO. 1 SULFURIC ACID

1.1 Scope

Sulfuric acid supplied for the water plant use under this specification shall conform to all provisions of applicable AWWA Standards.

This specification covers sulfuric acid (93%) for use in water treatment facility. The estimated annual usage is 341 tons. Pricing is requested for full tanker truckloads (TTL) per ton weight basis.

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for sulfuric acid (93%), including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Sulfuric acid is a strong acidic, colorless, corrosive, oily liquid. 1.4 Chemical

Requirements

Sulfuric acid delivered under this contract for the water plant shall be a minimum of 93% and a maximum of 94.5% sulfuric acid and have a minimum specific gravity of 1.83

1.5 Impurities

1.5.1 **General.** The sulfuric acid supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the sodium hydroxide.

1.5.2 **Specific Impurity Limits.** Sulfuric acid supplied to the water plant shall contain no more than the following percentages of specific impurities:

- Iron \leq 50 ppm by wt.
- SO₂ \leq 50 ppm by wt.

1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City of Fallon employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Tank Samples.** The sample taken by the driver should be a representative sample of the product

delivered. Samples shall be held by the City for 30 days before disposal.

1.6.3. **Analysis.** No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising chemical delivery may perform simple tests such as specific gravity, pH, or strength of product on the product before it is accepted for offloading into the County's storage vessels.

1.7 Rejection

1.7.1 **Notice of Nonconformance.** If the sulfuric acid delivered does not meet the requirements of the applicable ANSI/AWWA standard or these specifications, a notice of nonconformance shall be given to the supplier by City within ten days of City's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 **Material Originating Outside of North America.** No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the applicable ANSI/AWWA Standard and these specifications.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the sulfuric acid furnished under these specifications complies with all the applicable requirements of ANSI/AWWA Standards and these specifications. (2) A certified analysis of the sulfuric acid and a certified weight certificate shall be furnished by the supplier with TTL shipment. The analysis shall include product content.

1.8.1 **Product Certifications.** Sulfuric acid is a direct additive used in the treatment of potable water. The material for the water plant should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

1.9 Chemical Spill Response Requirements

1.9.1 **Hazmat Response Team.** Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 **Spill Response.** Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative, Spill mitigation actions taken by City personnel shall not be construed as a replacement for Chemical Spill Response. The Public Works Director or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 Packaging & Shipping

Packaging and shipping of all sulfuric acid solutions shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations).

ITEM NO. 2

SODIUM HYDROXIDE (50%)

1.1 Scope

Sodium hydroxide supplied for water plant use under this specification shall conform to all provisions of the current AWWA B-501 Standard.

This specification covers sodium hydroxide for use in water treatment facility. The estimated annual usage is 65,000 gallons for full truck loads (TTL)

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for sodium hydroxide, including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Liquid sodium hydroxide is a solution of anhydrous sodium hydroxide and water.

1.4 Chemical Requirements

Sodium hydroxide delivered under this contract for the water plant shall contain approximately 50 percent sodium hydroxide (NaOH).

1.5 Impurities

1.5.1 **General.** The sodium hydroxide supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the sodium hydroxide.

1.5.2 **Specific Impurity Limits.** Sodium hydroxide supplied to the water plant shall contain no more than the following percentages of specific impurities:

- Mercury 0.5 ppm
- Arsenic 1.5 ppm
- Lead 5 ppm
- Heavy Metals (as lead) 15 ppm
- Iron, 0.0008% dry weight basis
- Sodium Chloride, 2.2% dry weight

basis 1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Tank Samples.** The sample taken by the driver should be a representative sample of the product delivered. Samples shall be held by City for 30 days before disposal.

1.6.3. **Analysis.** No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising

chemical delivery may perform simple tests such as specific gravity, pH, or strength of product on the product before it is accepted for offloading into the City's storage vessels.

1.7 Rejection

1.7.1 Notice of Nonconformance. If the sodium hydroxide delivered does not meet the requirements of the current ANSI/AWWA B501 standard, a notice of nonconformance shall be given to the supplier by City within ten days of City's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 Material Originating Outside of North America. No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the current ANSI/AWWA B501 Standard.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the sodium hydroxide furnished under these specifications complies with all applicable requirements of the current ANSI/AWWA B501 Standard. (2) A certified analysis of the sodium hydroxide and a certified weight certificate shall be furnished by the supplier with each shipment. The analysis shall include product content.

1.8.1 Product Certifications. Sodium hydroxide is a direct additive used in the treatment of potable water. The material for the water plant should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

1.9 Chemical Spill Response Requirements

1.9.1 Hazmat Response Team. Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 Spill Response. Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative. Spill mitigation actions taken by City personnel shall not be construed as a replacement for Chemical Spill Response. The Public Works Director or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 Packaging & Shipping

Packaging and shipping of all sodium hydroxide solutions shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations).

ITEM NO. 3

FERRIC CHLORIDE

1.1 Scope

Ferric Chloride supplied for water plant use under this specification shall conform to all provisions of the current AWWA B-407 Standard (Latest) and be an NSF 60 Solution.

This specification covers ferric chloride for use in water treatment facility. The estimated annual usage is 8,000 gallons for full truck loads (TTL)

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for ferric chloride, including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Liquid ferric chloride is a reddish brown, slightly pungent.

1.4 Chemical Requirements

Ferric Chloride delivered under this contract for the water plant shall contain approximately 40 percent ferric chloride concentration and 14% ferric iron concentration. Specific gravity between 1.30 – 1.50, TSS <0.2, Free Acid <1%, specific gravity 1.3-1.5

1.5 Impurities

1.5.1 **General.** The ferric chloride supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the ferric chloride. Product shall be free of biological contamination and resistant to biological growth.

1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Tank Samples.** The sample taken by the driver should be a representative sample of the product delivered. Samples shall be held by City for 30 days before disposal.

1.6.3. **Analysis.** Certificate of analysis shall include: Strength (ferric chloride, % by weight); Total Iron (Ferrous %); Total Iron (Fe²⁺%); Total Iron (Fe³⁺%); Hydrochloric Acid (%); Insoluble (%); Pounds dry FeCl₃/Gallon; Specific Gravity @ 68°F.

No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising

chemical delivery may perform simple tests such as specific gravity, pH or strength of product on the product before it is accepted for offloading into the City's storage vessels.

1.7 Rejection

1.7.1 **Notice of Nonconformance.** If the ferric chloride delivered does not meet the requirements of the current ANSI/AWWA B407 standard, a notice of nonconformance shall be given to the supplier by City within ten days of City's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 **Material Originating Outside of North America.** No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the current ANSI/AWWA B501 Standard.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the ferric chloride furnished under these specifications complies with all applicable requirements of the current ANSI/AWWA B407 Standard. (2) A certified analysis of the ferric chloride and a certified weight certificate shall be furnished by the supplier with each shipment. The analysis shall include product content.

1.8.1 **Product Certifications.** Ferric chloride is a direct additive used in the treatment of potable water. The material for the water plant should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

1.9 Chemical Spill Response Requirements

1.9.1 **Hazmat Response Team.** Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 **Spill Response.** Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative, Spill mitigation actions taken by city personnel shall not be construed as a replacement for Chemical Spill Response. The Public Works Director or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 PACKAGING & SHIPPING

Packaging and shipping of all ferric chloride solutions shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations).

ITEM NO. 4A SODIUM HYPOCHLORITE

1.1 Scope

Sodium hypochlorite supplied under this specification shall conform to all provisions of the current AWWA B-300 Standard.

This specification covers sodium hypochlorite for use in water treatment. The estimated annual usage is 3,400 gallons of 12.5% available chlorine. Pricing is requested for full truckloads (LTL) on a price per gallon of 12.5% available chlorine basis.

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for sodium hypochlorite, including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Sodium Hypochlorite solution shall be a clear light-yellow liquid and shall not contain more than 0.15 percent insoluble matter by weight.

1.4 Chemical Requirements

Sodium hypochlorite delivered under this contract shall have a minimum of 125 grams per liter available chlorine equivalent to 12.5 percent sodium hypochlorite by weight for 15% Trade bleach. When requested Sodium hypochlorite delivered under this contract shall have a minimum of 100 grams per liter available chlorine equivalent to 10 percent sodium hypochlorite by weight for 12% Trade bleach.

1.5 Impurities

1.5.1 **General.** The sodium hypochlorite supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the sodium hypochlorite.

1.5.2 **Specific Impurity Limits.** The total free alkali (expressed as NaOH) in sodium hypochlorite shall not exceed 1.5 percent by weight. The manufacture must provide chlorate testing results on every load being delivered and additionally provide availability to test chlorate levels in HRW sodium hypochlorite storage tanks. Sodium hypochlorite delivered under this contract shall meet the following containment concentration limits:

- Iron < 0.3 mg/L
- Copper < 0.05 mg/L
- Nickel < 0.05 mg/L
- Bromate ≤ 20 mg/L

1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Tank Samples.** The sample taken by the driver should be a representative sample of the product delivered. Samples shall be held by City for 30 days before disposal.

1.6.3. **Analysis.** No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising chemical delivery may perform simple tests such as specific gravity, pH, or strength of product on the product before it is accepted for offloading into the City's storage vessels.

1.7 Rejection

1.7.1 **Notice of Nonconformance.** If the sodium hypochlorite delivered does not meet the requirements of the current ANSI/AWWA B300 standard, a notice of nonconformance shall be given to the supplier by City within ten days of County's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 **Material Originating Outside of North America.** No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the current ANSI/AWWA B300 Standard.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the sodium hypochlorite furnished under these specifications complies with all applicable requirements of the current ANSI/AWWA B300 Standard. (2) A certified analysis of the sodium hypochlorite and a certified weight certificate shall be furnished by the supplier with each shipment. The analysis shall include product content.

1.8.1 **Product Certifications.** Sodium hypochlorite is a direct additive used in the treatment of potable water. This material should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute. Sodium hypochlorite is required to be registered with USEPA under FIFRA.

1.9 Chemical Spill Response Requirements

1.9.1 **Hazmat Response Team.** Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 **Spill Response.** Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative. Spill mitigation actions taken by HRW personnel shall not be construed as a replacement for Chemical Spill Response. The Plant Supervisor or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 Packaging & Shipping

Packaging and shipping of all sodium hypochlorite solutions shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations).

ITEM NO. 4B SODIUM HYPOCHLORITE

1.1 Scope

Sodium hypochlorite supplied under this specification shall conform to all provisions of the current AWWA B-300 Standard.

This specification covers sodium hypochlorite for use in *wastewater treatment*. The estimated annual usage is 26,000 gallons of 12.5% available chlorine. Pricing is requested for full truckloads (LTL) on a price per gallon of 12.5% available chlorine basis.

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for sodium hypochlorite, including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Sodium Hypochlorite solution shall be a clear light-yellow liquid and shall not contain more than 0.15 percent insoluble matter by weight.

1.4 Chemical Requirements

Sodium hypochlorite delivered under this contract shall have a minimum of 125 grams per liter available chlorine equivalent to 12.5 percent sodium hypochlorite by weight for 15% Trade bleach. When requested Sodium hypochlorite delivered under this contract shall have a minimum of 100 grams per liter available chlorine equivalent to 10 percent sodium hypochlorite by weight for 12% Trade bleach.

1.5 Impurities

1.5.3 **General.** The sodium hypochlorite supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the sodium hypochlorite.

1.5.4 **Specific Impurity Limits.** The total free alkali (expressed as NaOH) in sodium hypochlorite shall not exceed 1.5 percent by weight. The manufacture must provide chlorate testing results on every load being delivered and additionally provide availability to test chlorate levels in HRW sodium hypochlorite storage tanks. Sodium hypochlorite delivered under this contract shall meet the following containment concentration limits:

- Iron < 0.3 mg/L
- Copper < 0.05 mg/L
- Nickel < 0.05 mg/L
- Bromate \leq 20 mg/L

1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Tank Samples.** The sample taken by the driver should be a representative sample of the product delivered. Samples shall be held by City for 30 days before disposal.

1.6.3. **Analysis.** No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising chemical delivery may perform simple tests such as specific gravity, pH, or strength of product on the product before it is accepted for offloading into the City's storage vessels.

1.7 Rejection

1.7.1 **Notice of Nonconformance.** If the sodium hypochlorite delivered does not meet the requirements of the current ANSI/AWWA B300 standard, a notice of nonconformance shall be given to the supplier by City within ten days of City's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 **Material Originating Outside of North America.** No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the current ANSI/AWWA B300 Standard.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the sodium hypochlorite furnished under these specifications complies with all applicable requirements of the current ANSI/AWWA B300 Standard. (2) A certified analysis of the sodium hypochlorite and a certified weight certificate shall be furnished by the supplier with each shipment. The analysis shall include product content.

1.8.1 **Product Certifications.** Sodium hypochlorite is a direct additive used in the treatment of potable water. This material should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute. Sodium hypochlorite is required to be registered with USEPA under FIFRA.

1.9 Chemical Spill Response Requirements

1.9.1 **Hazmat Response Team.** Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 **Spill Response.** Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative, Spill mitigation actions taken by HRW personnel shall not be construed as a replacement for Chemical Spill Response. The Public Works Director or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 Packaging & Shipping

Packaging and shipping of all sodium hypochlorite solutions shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations).

ITEM NO. 5

SODIUM METABISULFITE

1.1 Scope

Sodium Metabisulfite supplied for wastewater plant use under this specification shall conform to all provisions of the current AWWA B-601-17 Standard.

This specification covers sodium metabisulfite for use in wastewater treatment. The estimated annual usage is 6,000 kilograms or 13,230 pounds.

1.2 Purpose

The purpose of this specification is to provide manufacturers and suppliers with the minimum requirements for sodium metabisulfite, including physical, chemical, packaging, shipping, and testing requirements.

1.3 Physical Requirements

Sodium metabisulfite is a white powder that is readily soluble in water.

1.4 Chemical Requirements

Sodium metabisulfite delivered under this contract for the wastewater plant shall contain approximately 1.34 mg/l of sodium metabisulfite for 1.00 mg/l of chlorine. Commercially available sodium metabisulfite can test near 98% in strength.

1.5 Impurities

1.5.1 **General.** The sodium metabisulfite supplied according to this specification shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the sodium metabisulfite.

1.6 Sampling and Analysis

1.6.1 **Sampling.** Samples requested by a City employee shall be taken by the driver at the point of delivery and in the presence of a City employee. The sample shall be placed in a container that will be provided by the City, which shall include a label to be completed by the driver collecting the sample. The sample shall be given to the City employee for processing.

1.6.2 **Grab Samples.** The sample taken by the driver should be a representative sample of the product delivered. Samples shall be held by City for 30 days before disposal.

1.6.3 **Analysis.** No independent analysis of the provided samples will be performed by an outside laboratory unless it is deemed necessary for product verification. A City employee supervising

chemical delivery may perform simple Visual inspection of the product before it is accepted for offloading onto the City's storage facility.

1.7 Rejection

1.7.1 Notice of Nonconformance. If the sodium metabisulfite delivered does not meet the requirements of the current ANSI/AWWA B601.17 standard, a notice of nonconformance shall be given to the supplier by City within ten days of City's discovery of nonconformance. City shall have the right to reject all nonconforming product.

1.7.2 Material Originating Outside of North America. No material shall be supplied under this contract that was manufactured outside of North America without written approval of the City. The supplier shall inform the City, in writing, that the material was manufactured outside of North America, the origin of the material, and certification of conformance with the current ANSI/AWWA B601.17 Standard.

1.8 Affidavit of Compliance

The City requires (1) an affidavit from the manufacturer that the sodium metabisulfite furnished under these specifications complies with all applicable requirements of the current ANSI/AWWA B601.17 Standard. The analysis shall include product content.

1.8.1 Product Certifications. Sodium metabisulfite is a direct additive used in the treatment of wastewater. The material for the water plant should be certified as suitable for contact with or treatment of wastewater by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

1.9 Chemical Spill Response Requirements

1.9.1 Hazmat Response Team. Each chemical supplier shall furnish the name, address, and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the supplier to clean-up and mitigate a chemical spill caused by the supplier or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week.

1.9.2 Spill Response. Response to a hazardous material clean-up shall occur within eight (8) hours of notification by the treatment plant or the authorized representative, Spill mitigation actions taken by city personnel shall not be construed as a replacement for Chemical Spill Response. The Public Works Director or authorized designee shall make the determination of need for Hazmat Response Team assistance. Supplier must supply information on response team prior to first shipment.

2.0 PACKAGING & SHIPPING

Packaging and shipping of all sodium metabisulfite shall conform to all applicable local, state, and federal regulations (including USDOT regulations and applicable interstate regulations)

EXECUTION OF PROPOSAL PAGE
Water and Wastewater Treatment Chemicals

Date: _____

By submitting this proposal, Supplier certifies the following:

An authorized representative of the firm has signed this proposal.

I can obtain insurance certificates as required within 10 calendar days after notice of award.

The Supplier has determined the cost and availability of all equipment, materials and supplies associated.

Performing the services outlined herein.

All labor costs, direct and indirect, have been determined and included in the proposal cost.

The supplier agrees to complete the scope of work for this project with no exceptions.

Therefore, in compliance with the foregoing Request for Proposal, and subject to all terms and conditions thereof, the undersigned offers and agrees, if this proposal is accepted within (60) days from the date of the opening, to furnish the services for the prices quoted.

Supplier _____

Mailing Address _____

City, State, Zip, Code _____

Telephone Number _____

Principal Place of Business _____

By: _____ Title: _____

(Type or Print Name)

(Signature)

BID FORM

WATER TREATMENT FACILITY

Item Number	Description	Units	Unit Price \$	Est. Quantity	Extended Price \$
1	Sulfuric Acid 93%	Tons		360	
2	Sodium Hydroxide 50%	Gallons		65,000	
3	Ferric Chloride	Gallons		8,000	
4A	Sodium Hypochlorite 12.5%	Gallons		3,400	

WASTEWATER FACILITY

Item Number	Description	Units	Unit Price \$	Est. Quantity	Extended Price \$
4B	Sodium Hypochlorite 12.5%	Gallons		26,000	
5	Sodium Metabisulfite	Kilograms		6,000	

Signature: _____

Date: _____