

**CITY OF MISSION  
PRICING SCHEDULE  
BID NAME/NO.: SODIUM CHLORITE FOR WATER TREATMENT PLANTS**

<b>Line Item</b>	<b>Estimated Qty</b>	<b>UOM</b>	<b>Item Description BASE TERM (1 YEAR)</b>	<b>Unit Price</b>	<b>Extension</b>
<b>1.</b>	<b>450,000</b>	<b>lbs</b>	<b>Sodium Chlorite for Water Treatment Plants</b>	\$ _____	\$ _____

Renewal Terms: The City of Mission shall reserve the option to renew this order for an additional two (2) consecutive, one (1) year option periods at the end of the base term. A bidder may offer a fixed maximum percentage of escalation for each of the additional two years. The term of this contract shall be one (1) year from contract award date. The amount of escalation will be taken into consideration in evaluation of the bid. State maximum percentage of escalation as follows:

**Renewal %'s Options for Sodium Chlorite for Water Treatment Plants:**

\* \_\_\_\_\_ % 1<sup>st</sup> year renewal term

\* \_\_\_\_\_ % 2<sup>nd</sup> year renewal term

**\*IF NO PERCENTAGE OF ESCALATION IS INCLUDED A ZERO PERCENTAGE WILL BE ASSUMED.**

For any questions regarding the ‘‘Sodium Chlorite for Water Treatment Plants,’’ please email Edgar Chapa, Contracts Administrator at [echapa@missiontexas.us](mailto:echapa@missiontexas.us).

Owner or President Name: \_\_\_\_\_  
 Company Address: \_\_\_\_\_  
 City, State, Zip Code: \_\_\_\_\_  
 Telephone Number: \_\_\_\_\_  
 Fax Number: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Tax ID Number: \_\_\_\_\_

\_\_\_\_\_  
 \*\*Company Representative’s Signature Date

\_\_\_\_\_  
 Company Representative’s Name (Please Print)

\_\_\_\_\_  
 Company Representative’s Title

\*\*Signature on this form indicates agreement with ‘‘Pricing, Instructions to Bidder-General Terms and Conditions, and Specifications’’

**City of Mission**  
**Specifications**  
**Chemical Name: Sodium Chlorite**

**Scope of Work:** The City of Mission is accepting bids for Sodium Chlorite for the North and South Water Treatment Plants.

**General Information:** The maximum plant flow at the North Water Plant is 17.5 mgd and the minimum plant flow is 8.0 mgd. The average plant flow is 10.0 mgd. The maximum plant flow at the South Water Plant is 8.0 mgd and the minimum plant flow is 6.0 mgd. The average plant flow is 7.0mgd.

**Specifications:** Please read your specifications thoroughly and be sure that the Sodium Chlorite offered complies with all requirements. Any variations from the specifications must be clearly indicated on item specification sheet and covered by letter attached to any changes made on your bid responses.

**Item Description**

- a. The bidder's **Sodium Chlorite** must be approved and registered as an **NSF Standard 60 product** for use in potable water systems
- b. Solution shall conform to the following:
  - i. Molecular Weight: 90.45
  - ii. Molecular Formula: NaClO<sub>2</sub>
  - iii. Specific Gravity (water=1): 1.20-1.25 @25/25 C
  - iv. Density: 10.1 lbs/gal @ 25 C
  - v. Water Solubility: Soluble
  - vi. pH: >12 @ 25 C
  - vii. Volatility: 68-76% by volume
  - viii. Active Ingredients as follows:
    1. Active Ingredient: 25% (+/-1.0%) NaClO<sub>2</sub>
    2. Inert Ingredients: 75% (+/- 1.0%) H<sub>2</sub>O
  - ix. Appearance: Pale yellow, slightly hazy liquid
- c. System Performance Requirements as follows:
  - i. 100 lb. per day generator with draw down cylinder 150 mls. And at least one additional new or refurbished unit of equal capacity for standby purposes.
  - ii. PH meter on chlorine dioxide solution
  - iii. A 5 point distribution panel with valves (required only at the South Water Treatment Plant)
  - iv. One ultrasonic leveling indicator
  - v. Chlorite testing monthly licensed laboratories
  - vi. One amprometric titrator
  - vii. This equipment must be new or of equal quality
- d. To include product bulletin and material safety data sheets
- e. Storage of **Sodium Chlorite** must be delivered and stored in 6,000 gallon, double-wall chemical storage tanks. **Tanks are to be provided and installed by vendor at each facility.**
- f. Maintenance and Service visits as follows:
  - i. The bidder shall be responsible for maintenance of all furnished equipment, including parts and labor
  - ii. The bidder shall provide routine monthly visits to perform preventative maintenance and check the units for proper operation
- g. Services and typical frequency to be provided by the bidder as follows:
  - i. Conduct operator training on Chlorine Dioxide chemistry, application and specific generator operations
  - ii. Conduct safety training on Sodium Chlorite and Chlorine Dioxide
  - iii. Provide maintenance service to the Chlorine Dioxide generators as required
  - iv. Provide emergency service to the Chlorine Dioxide generators with a maximum 2-hour response time, 24 hours per day, 7 days a week
  - v. Service shall include but be not limited to:
    1. Review plant logs and operation of Chlorine Dioxide treatment
    2. Check the equipment for leaks or malfunction
    3. Run generator efficiencies
    4. Review laboratory by products reports with management
    5. Perform scheduled preventative maintenance on equipment
    6. Submit a written report outlining services and observations during the routine service visit
    7. Provide an annual report listing all bulk shipment and quantities during each contract term.
    8. Provide third party laboratory chloride ion analysis (three samples set per plant) on a monthly basis using ion chromatography
    9. Bidder shall submit a sample test per month to a certified laboratory as specified by TCEQ regulations

h. Historical annual usage:

- i. South Water Plant: 150,000 lbs.
- ii. North Water Plant: 225,000 lbs