

CITY OF MISSION

SPECIFICATIONS

Liquid Aluminum Sulfate for the Water Treatment Plants

- I. Scope of Work: The City of Mission is accepting bids for Liquid Aluminum Sulfate for the Water Treatment Plants.
- II. General Information: The maximum plant flow at the North Water Plant is 17.5 mgd and the minimum plant flow is 7.0 mgd. The average plant flow is 10.5 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.
- III. Specifications: Please read your specifications thoroughly and be sure that the Liquid Aluminum Sulfate 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.
- IV. Delivery: Deliveries of Liquid Aluminum Sulfate for the Water Treatment Plants shall be by drivers thoroughly trained and familiar with the related hazards, safety measures, and spill clean-up procedures. **ALL SPILLS AND LEAKAGE, REGARDLESS OF SIZE, SHALL BE PROPERLY AND IMMEDIATELY CLEANED UP BY THE BIDDER'S PERSONNEL.** Proper labeling, including hazard warnings, will be required on all delivery trucks.

Item Description
<ul style="list-style-type: none">a. The bidder's Liquid Aluminum Sulfate must be approved and registered as an NSF Standard 60 product for use in potable water systems.b. The solution shall conform to the following:<ul style="list-style-type: none">i. Liquid Aluminum Sulfate: 50%ii. Concentration: 8.0 – 8.5% A12 03iii. PH: 2.3 – 2.7iv. Solubility in water: Completev. Specific gravity (water=1): 1.30 – 1.33vi. Appearance: Hydrate, clear, off-white liquid – no odorvii. Shelf life: one (1) year, minimumviii. Boiling point: 215.6 F (102° C)ix. Freezing point: 8° Fx. Viscosity: 2.07 Centipoise (cp)c. The product shall be delivered in truck loads.d. Historical annual usage for South and North Water Plants: 3,950,000 lbs.e. Maximum plant flow:<ul style="list-style-type: none">i. South Water Plant: 8.0 mgd with the average plant flow of 7 mgdii. North Water Plant: 17.5 mgd with the average plant flow of 10.5 mgdf. To include product bulletin and material safety data sheetsg. Contractor agrees to allow an inventory of 1500 gallons on site at all times.h. Contractor agrees to deliver additional Liquid Aluminum Sulfate as needed within a period of two (2) calendar days after notification by telephone.i. Neither the contractor nor his employees engaged in the delivery and off-loading of the containers shall be considered employees of the City. The method and manner of performance of such undertakings shall be under the exclusive control of the contractor's delivery personnel. The City shall have the right of inspection of said undertakings at any time.j. Contractor agrees not to charge the City of Mission any rental demurred charges.k. Contractor shall furnish the City of Mission upon request with factual information as to existence and financial stability of company, along with a list of present cities being serviced, and a laboratory test report of their Liquid Aluminum Sulfate from an accredited chemical testing laboratory company. Laboratory test report shall be at the expense of the contractor.l. Deliveries of Chemicals for Water Treatment Plants shall be by drivers thoroughly trained and familiar with the related hazards, safety measures, and spill clean-up procedures. ALL SPILLS AND LEAKAGE, REGARDLESS OF SIZE, SHALL BE PROPERLY AND IMMEDIATELY CLEANED UP BY THE BIDDER'S PERSONNEL. Proper labeling, including hazard warnings, will be required on all delivery trucks