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Providing Wastewater Treatment to the Kankakee River Valley

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SPECIFICATIONS AND INSTRUCTIONS FOR BIDDERS TO SUPPLY LIQUID SULFUR DIOXIDE IN TON CYLINDERS TO THE KRMA FACILITY

The Kankakee River Metropolitan Agency (KRMA), a 25 MGD wastewater treatment facility located at 1600 West Brookmont, Kankakee, IL, will accept sealed bids for the furnishing of approximately (48) 1 ton cylinders of liquid sulfur dioxide for effluent disinfection.

The KRMA Facility anticipates utilizing approximately 96,000 pounds of liquid sulfur dioxide which is evaporated and injected into application points for proper dechlorination of its final effluent.

Bidders shall have the ability to deliver liquid sulfur dioxide in one (1) ton cylinders to the KRMA site in lots of not less than two (2) tons, nor more than one truckload as determined by the Operation's Manager. In order to facilitate the safe and efficient handling of both full and empty cylinders, the bidder shall make all deliveries by flatbed or lowboy type transportation. No enclosed or box type trailers will be used for delivery or pick up.

The liquid sulfur dioxide shall be delivered in one (1) ton capacity welded steel containers, the heads of which shall be convex inward and the sides crimped inward to form chines to provide substantial grip for lifting beams. Each container shall be equipped with two identical cylinder valves near the center of one end for sulfur dioxide withdrawal and the valves shall be protected by a removable steel cover. The cylinder also must be equipped with fusible metal type safety relief devices. Each container shall be pressure tested at regular intervals and meet other requirements as established by the Federal Government.

Bidders shall have the ability to provide all materials described above in accordance with the specifications, transportation and all safety regulations governing the use of liquid sulfur dioxide. Bidders will also have the ability to provide "Chemical Safety" training for the KRMA staff. Minimum topics to be covered are as follows:

- *Health risks associated with sulfur dioxide, SO₂
- *Proper storage and handling
- *Safety gear and protective clothing
- *Emergency procedures and ton cylinder repair techniques

Training can be provided through the use of DVD, printed material, or hands on with a live instructor. All training shall be conducted at the facility with all KRMA personnel. A schedule for completion of this task will be developed with the successful bidder after the contract has been awarded.

Bidder's costs shall include **price per ton container** for liquid sulfur dioxide delivered to the KRMA Facility, plus deposit charge (if any) for each cylinder, and refill rate, which will be credited to the deposit charge. Bidders shall state that these rates will be locked in and remain in effect for one (1) calendar year.

It is preferable that all bidders show the ability to provide and maintain a Certificate of Liability Insurance of not less than \$2,000,000.00. The KRMA Board or its representatives will maintain the right to consider and / or accept a lower liability insurance amount on a case by case basis. A list of current or previous clients of similar size shall be provided to KRMA for references by all bidders. Bidder shall also be responsible for all fuel costs, lubrication, and equipment maintenance costs that are incurred while providing this service for KRMA.

All bidders should be aware that KRMA does have, and enforces a prevailing wage ordinance. KRMA will provide to the successful bidder a separate document for your signature of acknowledgement and compliance of this ordinance.

The KRMA Board has the right to accept or reject any bid(s) deemed in the best interest of the KRMA Board.
