



1600 West Brookmont Blvd.  
Kankakee, IL 60901  
Phone: 815-933-0444  
Fax: 815-933-0104

## ***Providing Wastewater Treatment to the Kankakee River Valley***

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## **SPECIFICATIONS AND INSTRUCTIONS FOR BIDDERS TO SUPPLY LIQUID CHLORINE 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 (75) 1-ton cylinders of liquid chlorine for effluent disinfection.

The KRMA Facility utilizes approximately 150,000 pounds of liquid chlorine which is liquid fed into application points for proper disinfection during the chlorination season. Chlorination season is May 1<sup>st</sup> through October 31<sup>st</sup> per KRMA's NPDES permit. Deliveries may need to take place outside of this date range, but typically fall within.

Bidders shall have the ability to deliver liquid chlorine 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 Superintendent. In order to facilitate the safe and efficient handling of both full and empty cylinders, the bidder shall make all chlorine deliveries by flatbed or lowboy type transportation. No enclosed or box type trailers will be used for delivery or pick up.

The liquid chlorine 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 chlorine 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.

The liquid chlorine shall contain no more than 150 PPM water, shall exceed 99% purity, and shall meet the standards for quality established by the Chlorine Institute.

KRMA will extend an invitation to all bidders to be present at a designated time for a thorough walk through and site visit. 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 chlorine. 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 chlorine, SO<sub>2</sub>, NaOCL, and NaOH
- \*Proper storage and handing
- \*Safety gear and protective clothing

\*Emergency procedures and ton cylinder repair techniques

Training can be provided through the use of electronic presentation, 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 **the price per ton container** for liquid chlorine 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' prices must be held firm, except that price escalations of no more than 10% are allowed as a result of market conditions increasing the actual price of chlorine to the vendor. Documentation from the manufacturer or published price sheets is required to support a price increase of up to 10%. Any de-escalation in price shall be passed on to KRMA. Vendors are obligated to treat price decreases equally as price increases during the tenure of the contract.

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 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.