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

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## **SPECIFICATIONS AND INSTRUCTIONS FOR BIDDERS TO SUPPLY POLYMER 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 6,000 to 8,000 gallons of liquid polymer for the purpose of sludge dewatering.

The KRMA Facility anticipates utilizing approximately 6,000 to 8,000 gallons of polymer per year to treat approximately 22 to 24 million gallons of digested sludge for final disposal.

Bidders shall have the ability to deliver liquid polymer in bulk loads of up to 2,500 gallons per load (approximately every 3 months), as determined by the Operation's Manager. The polymer must be delivered in tanker trucks capable of pumping the liquid into storage tanks at the KRMA facility. The polymer shall be a cationic emulsion flocculent having a density of 8.8 pounds/gallon and a specific gravity of 1.06 at 73 deg F, pH of 3-5, and a flash point of 200 deg F. The chemical must be compatible with Plasite, PVC, PE, Viton, Teflon, Vinyl, and Polyurethane. The chemical shall also have a minimum of 12 months shelf life, and complete freeze / thaw recovery.

Bidder must verify and document dewatering efficacy through bench top experimentation using a free water drainage test with automatic data collection. Percent solids and dosage versus percent water drainage must be documented. Chemical dosage should be 325 ppm or less.

After bench top experiment is completed, then supplier shall run an on-site trial using the proposed chemical in the normal KRMA sludge dewatering process. Bidder shall oversee trial and collect samples for analyses as appropriate.

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 polymer. 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 liquid polymer
- \*Proper storage and handling
- \*Safety gear and protective clothing
- \*Emergency procedures and clean up

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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 pound/per gallon** for chemical delivered to the KRMA Facility, and shall be responsible for all transportation and regulatory guidelines governing transportation of chemicals.

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.

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