

REQUEST FOR PROPOSALS - 2023 CHEMICALS

Notice is hereby given that sealed proposals will be received at the office of the City Clerk of the City of St. Cloud, Minnesota up to 1:00PM on Tuesday, October 11, 2022 for furnishing collection system, water treatment and wastewater treatment chemicals for the 2023 calendar year.

Preparation of Proposals

Proposals must be submitted on the Proposal Form provided. Faxed proposals will not be accepted. Failure to sign the proposal will be cause for rejection. Any proposal received after the October 11, 2022 at 1:00PM deadline will be returned unopened.

Contract Period

The prices furnished in the proposal shall be firm for a one-year supply from January 1, 2023 to December 31, 2023. The contract may be extended two times for one-year periods if both parties agree during direct negotiations completed by September 1st annually.

Pricing

The price quoted must include all charges to deliver chemicals Free On Board (FOB) to the Water Treatment Facility, the Nutrient, Energy & Water Recovery Facility (NEW RF) and Central Services Facility.

No fuel surcharge or demurrage charge will be allowed. Prices shall include all container surcharges at time of bidding. No additional surcharge for containers may be added after.

The City will not pay for any pre-delivery inspections.

Annual quantities of the chemicals are specified and may increase/decrease with no penalty to the St. Cloud Public Utilities. Delivery quantities are listed in the chemical specifications.

Eligibility

Water Treatment Facility bids: Proposers must certify that products are suitable for the treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

All chemicals shall conform to the latest revision of the appropriate AWWA standard referenced on the chemical bid specification, where applicable.

Proposal Requirements

Proposals must be accompanied by a certified check or bond equal to five (5) percent of the total amount. The bond or certified check will be held as a performance bond for the successful supplier and will be returned upon satisfactory completion of the contract period.

All proposals must include a Safety Data Sheet and emergency/after-hours contact information.

The City reserves the right to reject any or all proposals and to waive all technicalities.

Proposals must be mailed to the City Clerk:

City of St. Cloud
Attn: Seth Kauffman
1201 7TH St. S.
St. Cloud, MN 56301

Please note this is a new location; St. Cloud City Hall relocated in 2022.

Specific Requirements

- Powdered activated carbon: A 20-gram sample is required to be submitted with the proposal along with a copy of the certificate of analysis reporting the iodine number, apparent density, particle size, ash and moisture content, and current references.
- Powdered activated carbon: Please indicate if the PAC is offloaded by air compressor or blower. Air compressor offloads convey better in the existing system at the water treatment facility. Air compressor offloaded contractors will receive a 5% bonus in performance test scoring. To qualify for the bonus, an offload equipment verification statement shall be submitted with the proposal.

Proposal Opening

Sealed proposals will be publicly opened on October 11, 2022 at 1:00PM at St. Cloud City Hall, 1201 Seventh Street South, in Council Chambers. Please note this is a new location; St. Cloud City Hall relocated in 2022. Bid opening is open to the public and all bidders are encouraged to attend. Social distancing and other safety protocols may be in place and are subject to change according to current City of St. Cloud policy. Draft results will be emailed to all proposers/suppliers by October 14, 2022.

Recommendation

A final recommendation will be made to the St. Cloud City Council in November. The successful suppliers will be notified by email following Council approval.

Chemical Delivery

Request for chemical delivery will be made as needed with a seven (7) day notice. Acceptable delivery hours are listed under each chemical specification. All security requirements for the St. Cloud Public Utilities facilities must be followed.

The St. Cloud Water Treatment Facility and the St. Cloud NEW RF have plant compressed air supply available for bulk deliveries.

Water Treatment Facility:

- Chemicals that are palletized or delivered in cylinders must be delivered to the ground. All chemicals delivered in bulk shall have tank clean-out records available upon request.
- Chemicals that are delivered in pails must meet the following requirements – pails manufactured by Berry Plastics Corporation - T40MW pail with L40GTS lid - or approved equal, with moisture-proof seals; opened/damaged containers will not be accepted. Pails to be delivered on GMA pallets.

Facility Information

- **Water Treatment Facility**
1000 5th Ave N., St. Cloud, MN 56301
Contact: Adam Bourassa (320) 255-7225
- **NEW Recovery Facility**
525 60th St. S., St. Cloud, MN 56301
Contact: Jacob Ethen (320) 255-7226
- **Infrastructure Services Facility**
1200 15th Ave SE., St. Cloud, MN 56301
Contact: Tim Hewett (320) 255-7225

For specific delivery questions (valve sizes, coupling styles, etc.), please contact the personnel listed above.

Contract Conditions

Successful suppliers will guarantee their chemical(s) complies fully with the specification and appropriate standards. The supplier will assume all expenses for replacement or returning defective or incorrect product. Any product deemed unacceptable must be replaced within three (3) days. Successful suppliers must provide technical assistance upon request and provide information on safe product handling.

Successful suppliers will guarantee the availability and supply of their chemicals for the contract duration. Notification shall be made to the applicable facility immediately upon identification of supply chain interruptions. Failure to meet contract obligation to supply bid chemicals, may result in the City of St. Cloud Public Utilities utilizing alternative suppliers.



DELIVERY: WATER TREATMENT FACILITY

Aluminum Sulfate

Standard: AWWA B403-16

Quantity: 550 dry tons of liquid aluminum sulfate.

Container: Bulk delivery.

Quality: Color-free and temperature not to exceed 120°F.

Delivery: Schedules will vary. Delivery hours Monday – Friday, 7am – 3pm. Sealed tank trucks of approximately 4,000 gallons.

Special Note: A one liter sample must be provided from each delivery.
Product Baume must be on the bill of lading.

Carbon Dioxide

Standard: AWWA B510-18

Quantity: 550 tons of liquid low-pressure carbon dioxide.

Container: Bulk delivery.

Quality: Colorless, odorless and nonflammable.

Delivery: Volumes and schedules will vary; four days' notice given for delivery.
Delivery hours Monday – Friday, 7am – 3pm.

Special Note: Delivery truck must meter product.
Full loads may be certified scale weight deliveries.
City will not pay for pre-delivery inspection.

Fluosilicic Acid

Standard: AWWA B703-11

Quantity: 15,000 gallons of 23-25% fluoride.

Container: Up to 750 gallons per delivery.

Quality: Filtered to water-white, no color or suspended material.

Delivery: Volumes and schedules will vary. Delivery hours Monday – Friday, 7am – 3pm.

Polyphosphate

Standard: AWWA B503-17

Quantity: 40,000 lbs. of sodium tripolyphosphate.

Container: 44-55 lb. pails.

Quality: Dry, free-flowing with uniform composition; must dissolve in 0.5-28°C water.

Delivery: Schedules will vary. Delivery hours Monday – Friday, 7am – 3pm.

Special Note: Proposed product must prevent deposition of calcium carbonate in the filters and sequester soluble iron formed in the distribution system when fed at 0.5 mg/L as PO₄.

Powdered Activated Carbon/PAC

Standard: AWWA B600-16

Quantity: 50 tons of powdered activated carbon.
Container: Bulk delivery.
Quality: Manufactured from coal or other approved material effective for removing organic material including MIB and Geosmin.
Delivery: Schedules will vary. 40,000-lb. deliveries by blower truck. City reserves the right to return product that cannot be unloaded effectively, at supplier's expense. Delivery arrival hours Monday – Friday, 7am – 10am.

Special Note: Bidder must submit a 20-gram sample (at the time of or before bid opening), a copy of the certificate of analysis reporting the iodine number, apparent density, particle size, ash and moisture content, and current references.

Quick Lime

Standard: AWWA B202-13

Quantity: 2,300 tons of quick lime (calcium oxide).
Container: Bulk delivery.
Quality: Deliveries must be 90% or greater available calcium oxide.
Delivery: 20-25 ton deliveries by blower truck.
Delivery hours Monday – Friday, 7am – Noon.

Special Note: A 20-gram sample is required with each delivery.

Anhydrous Ammonia

Standard: AWWA B305-15

Quantity: 20,000 lbs. anhydrous ammonia.
Container: 150 lb. cylinder.
Quality: 99.5% NH₃, moisture content ≤ 0.5% by weight.
Delivery: Maximum of 24 cylinders on site, cylinder storage with no demurrage. Volumes and schedules will vary. Delivery hours Monday – Friday, 7am – 3pm.

Chlorine

Standard: AWWA B301-18

Quantity: 50 tons of liquid chlorine.
Container: One ton cylinder.
Quality: 99.5% Cl₂ by volume.
Delivery: Hoist to hoist. No demurrage shall apply. **Volumes and schedules will vary.** Delivery hours Monday – Friday, 7am – 3pm.

Special Note: All cylinder information must be legible. Valves must be designed to fit a standard yoke assembly and not be excessively tight.

DELIVERY: NEW RF

All deliveries must be made Monday – Friday, 7am – 3pm.

Magnesium Chloride

Standard: N/A

Quantity: 25,000 gallons of liquid Magnesium Chloride
Container: Bulk delivery.
Quality: 30% by weight.

Potassium Hydroxide

Standard: N/A

Quantity: 800,000 lbs of liquid Potassium Hydroxide
Container: Bulk delivery.
Quality: 45% by weight.

Sodium Hydroxide

Standard: N/A

Quantity: 300,000 lbs of liquid Sodium Hydroxide
Container: Bulk delivery.
Quality: 50% by weight.

Sulfuric Acid

Standard: N/A

Quantity: 130,000 lbs liquid Sulfuric Acid
Container: Totes
Quality: 50% by weight.
Delivery: **Special Note** - delivery must be made within 24 hours of purchase order; not to exceed two totes per order.

Sodium Hypochlorite

Standard: N/A

Quantity: 300,000 lbs of liquid Sodium Hypochlorite
Container: Bulk delivery, approximately 50,000 lbs at a time.
Quality: 12-15 % Vol by weight.

DELIVERY: COORDINATED THROUGH INFRASTRUCTURE SERVICES

Corrosion Control Chemical

Standard: N/A

Quantity: 20,000 gallons of nitrate-based corrosion control chemical.
Container: Bulk delivery.
Quality: 50-60% nitrate salts by weight, freeze point over -30°F, specific gravity under 1.7, effective at reducing sulfide and other corrosion causing compounds.
Facility: Coordinated through St. Cloud Infrastructure Services Facility.
Delivery: Volumes and schedules will vary. Delivery hours Monday – Friday, 8am – 3pm.

PROPOSAL FORM

2023 CHEMICAL SPECIFICATIONS

Company Name: _____
Address: _____

Telephone: _____
FAX: _____
Email: _____
Signature: _____
Printed Name: _____

___ Certified Check or 5% Bond
 ___ Chemical Certification (ANSI/NSF Standard 60)
 ___ Safety Data Sheet
 ___ Emergency Contact Information
 ___ 20-gram sample (PAC only)
 ___ Certificate of Analysis (PAC only)
 ___ Offload Equipment Statement (PAC only)

<u>Chemical Name</u>	<u>Price of Active Chemical/Unit</u>	<u>Estimated Quantity</u>
Liquid Aluminum Sulfate	_____ /ton	550 tons dry weight
Carbon Dioxide	_____ /ton	550 tons
Fluosilicic Acid	_____ /gal	15,000 gallons
Polyphosphate	_____ /pound	40,000 pounds
Powdered Activated Carbon (PAC)	_____ /ton	50 tons
Quick Lime	_____ /ton	2,300 tons
Anhydrous Ammonia	_____ /pound	20,000 pounds
Chlorine, gas	_____ /ton	50 tons
Magnesium Chloride	_____ /gal	25,000 gallons
Potassium Hydroxide	_____ /pound	800,000 pounds
Sodium Hydroxide	_____ /pound	300,000 pounds
Sulfuric Acid	_____ /pound	130,000 pounds
Sodium Hypochlorite (liquid chlorine)	_____ /pound	300,000 pounds
Corrosion Control Chemical (nitrate-based)	_____ /gal	20,000 gallons

Office Use Only

Enclosures Complete: Y / N
 If N, Explain:

Notes: