Aluminum Sulfate

BID OPENING AT 2:00PM ON MONDAY, December 22, 2008

NOTE: All bids must be written, signed and transmitted in a sealed envelope, plainly marked with the bid number, subject matter and opening date. The City of Duluth reserves the right to split award where there is a substantial savings to the City, waive informalities and to reject any and all bids. Bidder should state in proposal if bid price is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, the proposal F.O.B. is shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages shall be signed or initialed by authorized bidder’s representative as indicated at the bottom of the page(s) of the request for bid forms.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE
FOR BID RESULTS, ENCLOSE A SELF-ADDRESS, STAMPED ENVELOPE WITH BID.
www.ci.duluth.mn.us/city/services/purchasing

Designated F.O.B. Point:
Water & Gas Department
Lakewood Water Treatment Plant
8130 Congdon Blvd
Duluth, MN 55804

---

<table>
<thead>
<tr>
<th>Item Nbr</th>
<th>Qty U/OM</th>
<th>Description</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>150000 Gal</td>
<td>50% Liquid Aluminum Sulfate, 17% Al,</td>
<td>$_________</td>
<td>$_________</td>
</tr>
</tbody>
</table>

Valid: January 1 thru December 31, 2009

203 Basis (17% Aluminum Oxide Basis)

Ingredients:

Aluminum sulfate 48.5%

Vendor EMail Addr: ____________________________

FREIGHT CHARGES $ ______________

NAME ________________________________

TOTAL BID PRICE $ ______________

ADDR1 ________________________________

TO INCLUDE ANY ADDITIONAL PAGES.

ADDR2 ________________________________

PAYMENT TERMS: ________________________

ADDR3 ________________________________

BY: ________________________________ Title ________________________________

F.O.B. POINT: ________________________

(Print) ________________________________

DELIVERY DATE: ________________________

(Signature) ________________________________ Tele #: ________________________

The City of Duluth is an Equal Opportunity employer.
<table>
<thead>
<tr>
<th>Item Nbr</th>
<th>Qty</th>
<th>U/OM</th>
<th>Description</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
</table>

**Ingredients:**

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum sulfate</td>
<td>48.5%</td>
<td></td>
<td>Al₂(SO₄)₃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water (H₂O)</td>
<td>51.5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**General Characteristics**

* Chemical formula: Al₂(SO₄)₃ in solution
* Appearance: clear, slightly buff to amber liquid
* Dry Weight: 1 liter weighs 1.32 kg and contains the equivalent of 0.65 kg dry aluminum sulfate (alum)

1 imperial gallon weighs 13.2 lb and contains the equivalent of 6.5 lb dry aluminum sulfate (alum)

**Chemical Analysis**

<table>
<thead>
<tr>
<th></th>
<th>% by weight</th>
<th>Typical/Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum - total available as Al₂O₃</td>
<td>8.3</td>
<td>8.0 min</td>
</tr>
<tr>
<td>Iron - total as Fe₂O₃</td>
<td>0.0035</td>
<td>---</td>
</tr>
<tr>
<td>Insoluble Solutions</td>
<td>0.002</td>
<td>0.07 max</td>
</tr>
<tr>
<td>Basicity</td>
<td>0.20</td>
<td>basic</td>
</tr>
</tbody>
</table>

Price per US gallon $________
Price per ton $________

List Manufacturer: ________________________________
Weight/Gallon: ___________________________/lb
Dry Weight/Gallon: ___________________________/lb

(See additional page(s))

(Initial)
Deliver in Tank trucks to the Lakewood Treatment Plant on an as needed basis for one year - (1-1-09 thru 12-31-09).

The Aluminum Sulfate must comply with AWWA standard #B403-98. The legal weight ticket must accompany each load to show the net weight of Aluminum Sulfate.

Current Material Safety Data Sheets (OSHA #20) MUST BE COMPLETED & RETURNED WITH THE BID.

Deliver in highway tank trucks to the Water Treatment Plant, 8130 Congdon Blvd., Duluth, MN 55804.

List typical shipment weight: _____

Price to:
1) INCLUDE all delivery charges
2) REMAIN FIRM 1/1 - 12/31/2009

NOTE: This purchase will be valid upon the City Council passage of the 2008 budget and a 30 day waiting period as required by ordinance. PO may not be issued until January and notification will be by vendor providing SASE for bid tabulation.

Delivery Contact: Lakewood Water Treatment, 218-525-0834

(Initial)
City of Duluth Purchasing Division

General Specifications

The word "City" used in these specifications shall mean the city of Duluth and/or its Authorities.

1. Instruction to Bidders:
   A. All bids must be completed in a non-erasable format on the form provided by City of Duluth, errors to be corrected and initialed.
   B. All bids must be enclosed in a seal ed envelope.
   C. The enclosed blue and white sticker must be placed on the outside of envelope.
   D. The bid envelope shall be addressed to the city of Duluth, Purchasing Division, Room 100 City Hall, Duluth, Minnesota 55802.

2. Non-Collusion Clause:
   Vendor, their agent/employee hereby agree to comply and fully perform in accordance with the law and state that they have not, directly or indirectly, entered into an agreement or understanding, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the proposal submitted with respect to the above-referenced invitation to bid. Vendor fully acknowledges that such an act of non-compliance may be deemed unlawful and would be considered a violation of the law and subject to prosecution.

3. Award of Contract - Rejection of Bid:
   The Contract will be awarded to the responsible bidder submitting the lowest bid complying with the conditions of the invitation for bids. The bidders, to whom the award is made, will be notified at the earliest possible date. The city of Duluth, however, reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in its interest.

4. Obligation of Bidder:
   At the time of the opening of bids, each bidder will be presumed to have read and to be thoroughly familiar with the plans, specifications and contract documents (including all addenda). The failure or omission of any bidder to examine any form, instrument, or document shall be of no validity in respect to their bid.

5. Liquidated Damages for Failure to Enter Into Contract:
   The successful bidder, upon their failure or refusal to accept a purchase order or execute and deliver the contract and bonds required within 10 days after receipt of a notice of the acceptance of their bid, shall forfeit to the city, as liquidated damages for such failure or refusal, the security deposited with their bid (if required).

6. Completion of Bid Request:
   The city may consider an irregular any bid on which there is an alteration of or departure from the Bid Form hereto attached an in its option may reject the same.

7. E.E.O. Regulations:
   Contractor will be required to comply with all applicable Equal Employment Opportunity (E.E.O.) laws and regulations. Affirmative action must be taken to ensure that the employees and applicants for employment are not discriminated against because of their race, color, creed, sex or national origin.
   The city of Duluth is an equal opportunity employer.

8. Participation:
   This document is intended to serve the city of Duluth, its Agents and Authorities. Each authority may issue their own purchase order and will be responsible for it. The City of Duluth Authorities are as follows:
   1. Duluth Airport Authority
   2. Spirit Mountain Recreational Area Authority
   3. Duluth Entertainment and Convention Center
   4. Duluth Transit Authority
   5. Duluth Economic Development Authority
   6. Duluth Housing and Redevelopment Authority
   The city has a cooperative purchasing agreement with St. Louis county allowing the county to purchase from this bid when requested. St. Louis county will issue and be responsible for its own purchase orders.

9. Qualifications of Bidder:
   The city may make such investigations as deemed necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the city all such information and data for this purpose as the city may request. The city reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the city that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.
   Conditional bids will not be accepted.

10. Addenda and Interpretations:
   Responses to general questions and clarifications of bids may be made at the discretion of the city. However, no interpretation of the meaning of the specifications or other pre-bid documents will be made to any bidder orally.
   Every request for such interpretation should be in writing and delivered or sent by facsimile to the city purchasing agent or the buyer shown on the bid request, Duluth, Minnesota 55802, and to be given consideration must be received at least five days prior to the date fixed for the opening of bids.

11. Award of Contract - Rejection of Bids:
   In determining the successful bidder, there will be considered in addition to price (per Ordinance 7050):
   A. The ability, capacity and skill of the bidder to perform the contract.
   B. The character, integrity, reputation, judgement, experience and efficiency of the bidder.
   C. The quality of performance of previous contract.

12. Validity of Bids:
   All bids shall be valid for 60 days from the date of bid opening, unless an other period is noted in bid documents or if an extension is agreed upon, in writing prior to the end of the 60 day period.

13. Facsimile Bids:
   Facsimile bids are acceptable if: bids are received at the designated facsimile number prior to the scheduled bid opening and an original copy of the bid, identical to the "faxed" bid, is received within 48 hours of the bid opening. Facsimile bid deposits are not acceptable. The city shall endeavor to keep bids confidential, but will accept no responsibility for the confidentiality of facsimile bids. All bids or proposals returned by facsimile are understood to incorporate these general specifications.

14. Insurance:
   All vendors doing work on city property, except vendors making routine deliveries, shall submit an insurance certificate indicating insurance coverage as per current city requirements.

15. Website:
  .ci.duluth.min.us/city/service/purchasing/index.htm
1. Solvay Fluorides LLC
   3333 Richmond Avenue
   Houston, TX 77098

2. Hawkins Inc (dba Hawkins Water Treatment Grp.)
   Attn: Municipal Bids
   3100 East Hennepin Avenue
   Minneapolis, MN 55413

3. L C I Ltd
   P O Box 49000
   Jackson Beach, FL 32240

4. C & S Chemicals Inc.
   Suite 310
   4180 Providence Road
   Marietta, GA 30062

5. D P C industries Inc
   12800 Pine Bend
   Rosemount, MN 55068-2612

6. USALCO
   1120 Middle River Rd
   Baltimore, MD 21220

7. Kemiron Company
   Suite 1
   3211 Clinton Parkway Court
   Lawrence, KS 66047

8. Univar U S A Inc.
   845 Terrace Court
   St. Paul, MN 55101

9. Airgas
   6340 Sugarloaf Pkwy
   Suite 300
   Duluth, GA 30097
10. Thunder Bay Chemicals LTD  
   1100 Kam Road  
   Thunder Bay, Ontario P7E 6T7

11. Harcos Chemical Inc.  
    584 N Fairview Ave  
    St Paul, MN 55104

12. Vertex Chemical Corporation  
    9909 Clayton Road  
    Suite 219  
    St Louis, MO 63214

13. Neo Solutions, Inc  
    P.O. Box 26  
    Beaver, PA 15009-0026

14. GAC Mid America  
    P.O. Box 352230  
    Toledo, OH 43635-2230

15. Polydyne Inc  
    P.O. Box 279  
    Riceboro, GA 31323

16. General Chemical  
    90 East Halsey Road  
    Parsippany, NJ 07054

17. K A Steel  
    P.O. 729  
    LaMont, IL 60439

18. Gulbrandsen Technologies Inc  
    2 Main St, P.O. Box 5523  
    attn: Subin Nair  
    Clinton, NJ 08809