
BID SPECIFICATIONS FOR 38% SODIUM ALUMINATE

GENERAL

The successful bidder shall furnish 38% Sodium Aluminate (minimum percentage) to the City of Greensboro North Buffalo Water Reclamation Facility for the fiscal year 2011-12.

CHEMICAL MAKEUP OF PRODUCT: The solution provided shall consist of Sodium Aluminate Solution 38%:

$\text{Na}_2\text{Al}_2\text{O}_4$	38-40% by weight
Na_2O	18.3 - 19.3% by weight
Al_2O_3	19.7 – 20.7% by weight
$\text{Na}_2\text{O}/\text{Al}_2\text{O}_3$	0.895 – 0.965 by weight
$\text{N}_2\text{O}/\text{Al}_2\text{O}_3$	1.475 – 1.585 by moles
Specific Gravity	1.43 – 1.49

The product shall contain no other hazardous ingredients.

Quantities: The product will be ordered by the tanker truck bulk load (approximately 45,000 pounds). This past year's usage was approximately 500,000 pounds. However, this contract cannot guarantee a minimum number of loads required during the year as usage rates do vary.

Delivery: The bid price shall include shipping to North Buffalo Water Reclamation Facility and any equipment necessary to pneumatically unload the product into the 12,500 gallon storage tank on the premises. The fill coupling is 3" stainless steel female quick connects. The fill line is three inch PVC and runs the entire fifteen foot height of the storage tank. **Delivery hours are 7:00AM to 2:00 PM Monday through Friday.**

**North Buffalo Water Reclamation Facility
2199 White Street
Greensboro, N.C. 27405**

The product shall be weighed and a certified weight ticket shall be supplied to the City. However, the City reserves the right to have any or all delivering trucks weighed on an independent truck scale before and after unloading to verify amount. An official bill of shipping shall be supplied with each delivery.

Ordering Turnaround: The supplier must be able to deliver product to the North Buffalo Water Reclamation Facility within three calendar days of receiving verbal or written order.

Contract Extension: Upon mutual agreement, the successful bidder and the City may extend this contract for additional periods.

Security and Safety: Supplier must fax each delivering driver's photo I.D., along with trailer number and seal number prior to loads being delivered. This information will be kept on file and verified upon delivery. A current MSDS is to be supplied with each delivery, also. Delivery personnel will wear any, and all, personal protective equipment and clothing specified by the MSDS for 38% Sodium Aluminate. **(If delivery personnel do not have proper safety equipment and clothing, they will not be allowed to unload until equipment/clothing is available, and the City of Greensboro shall not be penalized for any delay).**

Note: **No chemical will be accepted above 130° Fahrenheit,** due to the possibility of damage to the chemical unloading lines.