

**CITY OF AUSTIN  
PURCHASING OFFICE**

**Specification  
SOLICITATION NO. IFB APC0006**

**Bulk truck loads of Aqueous Ammonia for Sand Hill Energy Center**

**1. Scope and Classification**

**1.1 Scope**

Austin Energy requires the services of a qualified Vendor to supply Nineteen Percent (19%), Aqueous Ammonia at the Sand Hill Energy Center.

**1.2 Classification**

The Aqueous Ammonia shall be a solution of 19 % by analysis.

**2 Applicable Specification**

The Aqueous Ammonia is to be equal to or better than the Industry Standards for 19% Aqueous Ammonia.

**3 Functional Requirements**

The Aqueous Ammonia is used for NOx suppression at the Sand Hill Energy Center.

**4 Performance Requirements**

Vendor is to supply, BULK tank truck volumes as limited by Department Of Transportation rules and regulations as specified, to the two storage tanks at Sand Hill Energy Center.

**5 Material Requirements**

The vendor shall meet the following material requirements.

5.1 New not previously used Aqueous Ammonia.

5.2 Free of organic materials.

5.3 Free of particulate matter.

**6 Samples Inspection and Test Requirements**

6.1 The Vendor shall supply with each delivery a chemical analysis/assay of the 19% Aqueous Ammonia. The analysis must be performed by an accredited laboratory and must be representative of the material being delivered. The Specific Gravity of the Aqueous Ammonia shall also be provided along with Vendor's name or Numeric Code for the product.

6.1.1 Austin Energy reserves the right to sample and analyze the material, at time of delivery, to ensure the delivery meets with the specific requirements specified.

6.1.2 Austin Energy reserves the right to refuse any load, at no cost to Austin Energy, that does not meet the requirements of this specification. The Power Station Process Chemist is the ultimate arbiter of accepting or refusing the delivery

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**7 Ordering Data**

- 7.1 Austin Energy will order bulk tank truck volumes. All transportation of the volumes ordered by Austin Energy shall conform to the Department Of Transportation (D.O.T.) rules and regulations. All volumes delivered to Austin Energy shall be delivered in clean tanker trucks. The Vendor, when awarded this contract, shall provide 19% Aqueous Ammonia as ordered by Austin Energy for one (1) year with the possibility of three (3) yearly extensions. The price for the 19% Aqueous Ammonia may not escalate for the first twelve (12) months of the contract. Increases must be confirmed by information supplied to Austin Energy.
- 7.2 Austin Energy will order a volume of 19% Aqueous Ammonia in advance, requesting a delivery on a specific date, between the hours of 8:00 a.m. and 12:00 p.m. (Noon).
- 7.3 The hose utilized by the Vendors transport shall be equipped with a four (4) bolt flanged end to be connected to a four (4) bolt flange on the receiving two (2) inch off-loading pipe. All hoses utilized for delivery must have been tested for bursting and the transport shall carry records of the last burst test performed
- 7.4 The Vendor's transport will insure that all connections are non-leaking.
- 7.5 Austin Energy normally will supply twenty-five (25 psi) pounds per square inch air supply for off-loading. However the Vendor's transport shall also have the capability to unload the material using a source of air from the tractor or the trailer.

**8 Other Requirements**

- 8.1 The Vendor's response to this specification shall include the current and latest copy of the Material Safety Data Sheet for the 19% Aqueous Ammonia.
- 8.2 The Vendor shall warrant that the product as delivered complies with the minimum requirements of this specification.
- 8.3 The Vendors transport shall display the proper placarding as required by the D.O.T.
- 8.4 The Vendor's transport shall adhere to all D.O.T. regulation for the safe transport of this product. The transport vessel shall be closed during transport and free of leaks. Hoses, valves and connections shall be free of leaks during unloading.
- 8.5 The product shall be delivered at or above the minimum temperature specified.
- 8.6 All bids shall be submitted quoting the price per gallon for the 19% Aqueous Ammonia.

**9 Safety Requirements**

- 9.1 At the entrance to Sand Hill Energy Center for the purpose of making deliveries of Aqueous Ammonia, the driver must first check in with the security guard stationed at the gate. The guard will contact the plant for permission for the truck to enter. The driver is to wait for an employee to escort him to the unloading terminal.

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- 9.2 The Vendor's transport driver shall don and use the proper Personal Protective Equipment for the unloading of the 19% Aqueous Ammonia. The PPE shall be donned prior to beginning unloading.
- 9.3 Speed limit on plant grounds is fifteen-Miles per Hour (15 mph).
- 9.4 The area adjacent to the unloading areas are "NO SMOKING" areas. There are designated smoking areas in the plant and only those areas are to be used for smoking.
- 9.5 The Vendor's transport driver shall have in their possession and must have read the current M.S.D.S. for the 19% Aqueous Ammonia.

**10 Bid Requirements**

- 10.1 All bids shall be submitted quoting the price per gallon for the 19% Aqueous Ammonia.
- 10.2 Each bidder shall submit with their bid, a copy of their current liability insurance.
- 10.3 Each bidder shall submit, with their bid, a current copy of the chemical analysis of their product.
- 10.4 Each bidder shall provide, with their bid, a copy of their product Material Safety Data Sheet (M.S.D.S.).

**11 Tank Sizes**

Sand Hill Energy Center has two tanks. One holds 10,000 gallons and the other holds 36,000 gallons. Both tanks are owned by the City. Deliveries are normally 5,000 gallons for the smaller tank and 6,000 gallons for the larger tank.