



# DRY SORBENT INJECTION TESTING SERVICES

## Leading Technology . . . Innovative Solutions

### CBEEC Testing Services for SO<sub>2</sub>, SO<sub>3</sub>, and Acid Gas Emissions Reduction.

Dry Sorbent Injection is a proven, reliable, and cost effective method of achieving your SO<sub>2</sub> & SO<sub>3</sub> reduction goals and is compatible with both Fabric Filter and Electrostatic Precipitator air pollution control technologies.

Common sorbents injected for acid gas control include Trona (Sodium Sesquicarbonate), Sodium Bicarbonate, and Hydrated Lime. The dry sorbent is injected directly into the flue gas duct at a carefully selected location where it reacts with the targeted emission and is collected in the downstream particulate control equipment.

In order to help you determine the viability of a permanent Dry Sorbent Injection System at your plant, Clyde Bergemann EEC is pleased to offer complete Testing Services for the injection of Dry Sorbent into the Flue Gas Duct.

Test equipment includes a modified PD Pneumatic trailer to temporarily store the sorbent and a conveying/metering system to pneumatically convey the sorbent to the test duct injection location. Air for the pneumatic conveying system is provided by blowers located in a second trailer.

### Test Equipment Includes:

- A standard bulk storage unit with 4 discharges and outfitted with rotary valves, level indicators, dust collector, air pads, and a control panel
- A standard trailer that contains blowers and a main control panel
- Injection Lances
- Design of conveying & distributing system
- Assistance with analysis of results

### Items to be provided by others:

- Electrical Service & Plant Air
- Fork Lift, Cherry Picker & Lifting Equipment
- Installation of Test Ports
- Stack Testing, Monitoring, and Sampling





**Serving the Power Generation, Pulp & Paper, Iron & Steel, Rock Products, Wood Products, Petrochemical and Waste-to-Energy industries**

## ■ Contact Information

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### Engineered Systems & Technical Solutions

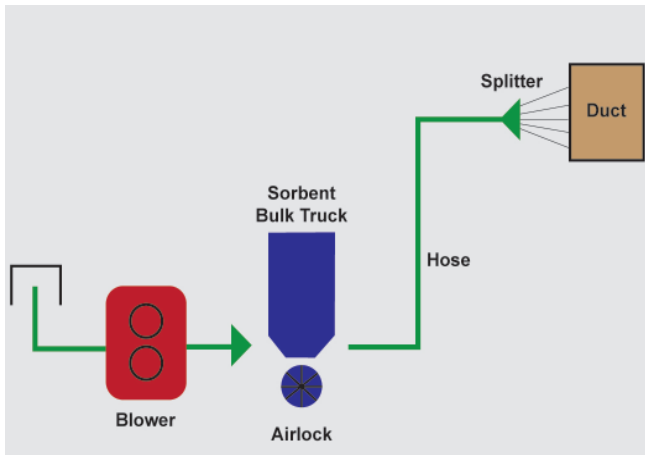
Phone: 410-368-7000  
Toll Free: 800-333-4331

### Spare and Replacement Parts

Toll Free: 800-PART EEC  
800-727-8332

### Emergency Service - 24 hour Help Line

Toll Free: 800-928-HELP  
800-928-4357



*CBEEC Sorbent Injection Schematic*

