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## Frac Sand Resin Coating and Drying Plant [Inventory ID #1471708]



### Frac Sand Resin Coating and Drying Plant

- Make: Custom Built
- Year: 2010
- Condition: Used Condition
  - Ran 3 Years, Idled Since, Mothballed for Restarting, Under Power, Guarded
- Capacity: 24 TPH - 300 TPH
  - Currently Limited by the Sand Dryers Combined 24 TPH Total Production, the Bulk Handling System Components are Capable of Moving Up To 300 TPH of Sand
- Primary Product: Polymer Coated Fracking Sand
- Process Description: Sand Resin Coating and Drying for Fracking. Coating to Increase Crush Strength and Produces More Spherical Particles Required for Porosity and Depth. Also Suitable for Clinker and Cement Powder with Modifications
- Primary Components:
  - Structural Steel Tower with the Dual Circuit Production System including Bucket Elevators, Conveyors, Dryers, Pug Mills, Screeners, Silos and Emission Control Systems including Cartridge Dust Collectors and a RTO (Regenerative Thermal Oxidizer) to destroy VOC's.
  - The 2000 kVA, 480V Electrical System is Operated by a Honeywell Control System through PLC's and MCC's with Numerous VFD's. There is a Battery UPS for the Controls, and a Natural Gas 250 kW Standby Generator with ATS.
  - (2) Kaeser Air Compressors with Dryers and Reservoirs Serve the Pneumatic Systems
  - Full Original Documentation of the Plant and Equipment is Included
  - Product was Brought In by Rail or Truck, and Unloaded into an Under-Track Conveyor Feeding to (2) Bulk Silos. From There, it was Conveyed into the Processing Tower and Resin Coated. Then it was Conveyed to One of Four Finished Product Silos with Direct Truck Loading Systems over Truck Scales. Product was Also Conveyed Back to the Rail Tower for Loading into Cars on Rail

#### Scales

- Office Building Includes Laboratory Facilities, Employee Areas with Kitchen and Shower Facilities, a Large Shop and a Second Floor of Undeveloped Space. There is Also Warehouse Space, Resin Production Areas and the Electrical Room in the Main Building

- Location: Southern USA

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