Preferred Materials, LLC
Process Description

Site Description:

The site is located 1911 Bennett Rd., Howe, Texas 75459.

Facility Description:

The facility will be electrically powered by underground lines and will meet the distance requirements of 100' from the central baghouse to the nearest property line. In addition, the plant will have two 6,500 CFM VH-1094JP central dust collection systems. The site will have 2 batching systems plant for the site, but the total of 300yd3 will be total for entire site.

Process Description:

The bulk cement and flyash will be received by tanker truck and will be pneumatically loaded through the enclosed fill pipeline into the cement or flyash silos. Each silo has a electronic warning level along with pinch valves to ensure that no discharge happens. Each silo vent is attached to the central dust collection system. Washed sand and gravel will be received by truck and unloaded into stockpiles storage bins **(Emission point 1).** The bins will be 3 walled storage bins with a concrete floor. The incoming materials will be washed and wet and therefore should not produce any emissions.

The aggregate material from the stockpiles will be loaded into the hopper of the radial feed conveyor by a front-end loader **(Emission point 2).** The radial feed conveyor will feed the aggregate hoppers **(Emission point 3).** When batching the aggregate and sand will be dropped into the enclosed weight hopper, then the aggregate will be conveyed **(Emission point 4)** and released in the ready mix truck **(Emission point 6 & 7).**

At the time of loading a mixer truck, the washed sand and gravel will be weighed and transported by the enclosed feed conveyor to the loading point **(Emission point 6)**. The cement will be dropped in by gravity to the totally enclosed screw conveyor which will be dropped in the totally enclosed weighing hopper which is vented directly to the central dust collection system (VH-1094JP). The cement/flyash weigh hopper will drop to the mix truck. **(Emission point 6)**. The dust emissions at the loading point will be collected and vented to a central dust collection system rated at 6,500CFM **Emission point 5 & 8)**. Water will be added to the ready mix truck to keep down dust as well. Ad mixtures will be used in certain process and will not contain any VOC's.