

EZSorb™

JEA: About Our Company

JEA is the largest community-owned electric, water & sewer utility in Florida and the eighth largest in the United States. JEA owns, operates and manages the electric system established by the City of Jacksonville in 1895. The JEA Northside Generating Station (NGS) is home to two circulating fluidized bed (CFB) combustors which produce over 300 megawatts each and utilize coal and petroleum coke as fuels. During the firing of the CFB's, two combustion byproducts are generated, bed ash and fly ash.



About Our Products

Bed ash is the ash that comes from the bed of the boiler. Fly ash is the ash that comes from the emissions scrubbing system. Bed and fly ash are marketed as EZSorb. Both fly ash and bed ash are stored in silos. While there is variation in ash production amounts based on fuel and limestone types used, the plant produces an approximate ratio of 30% fly ash/70% bed ash. The elemental composition of the bed and fly ash are nearly identical but vary greatly in particle size and density. Both products can be loaded and transported via rail or truck.



NGS Ash Storage Silos

EZSorb (bed ash)

The following are potential applications of **EZSorb**.

- Additive for stabilization of soils and construction fill material
- Solidification and fixation of sludge materials for landfilling.
- Acid waste stabilization
- Soil additive for liming

EZSorb material will have the following properties.

- Color: Light brown or tan fine to coarse granular material, exothermic upon contact with water
- Typical dry density -- 95 to 105 lb/cu ft
- Typical available lime content at loading: *24 to 32 percent. Higher available lime can be achieved by mechanically altering (crushing) the material



Fly Ash:

The following are potential applications for Fly Ash

- Additive for stabilization of soils and construction fill material
- Solidification and fixation of sludge materials for landfilling.
- Binder and/or extender in asphalt production
- Acid waste stabilization
- Soil additive for liming

Fly Ash material will have the following properties.

- Color: Dark Grey
- Fine granular material
- Typical bulk density -- 50 lb/cu ft



BSA Material:

Located on the NGS site is a 20 acre lined landfill called the Byproducts Storage Area (BSA). Excess bed and fly ash that are not used directly from the silos in the dry form are partially hydrated and stored in the BSA. This material, in its partially hydrated form, has been used for different types environmental remediation applications. Detailed information on this product is available upon request



Product Pricing:

As an environmentally sensitive company, JEA's mission is to beneficially reuse 100% of the byproducts produced from our facilities. These products are a cost effective alternative to traditional environmental remediation materials and pricing is determined on a project by project basis.

Analytical Data:

MSDS, XRF elemental composition and Toxicity Characteristic Leaching Procedure (TCLP) data is available upon request.

Contact Information:

Lindsay Schopp, Byproduct Specialist, (904) 665-7605

Greg Will, Byproduct Specialist – Logistics, (904) 665-4952

E-mail: ezbase@jea.com



Byproduct Services
4433 William Ostner Road
Jacksonville, FL 32226
(904) 665-4952
Fax: (904) 665-6951

