

# Beneficial Use of CCR Material



Foth has the expertise to help utilities find the right solution for beneficial use of CCR material for either on and/or off-site use.

Foth has worked extensively on the development of Beneficial Use Determinations (BUD) in the states where we operate, such as:

- ◆ Coal combustion slag when used as a component in manufactured products.
- ◆ Coal combustion slag when used as a sand blast abrasive.
- ◆ Coal combustion fly ash as defined by ASTM C 618 when used as a pozzolan or cement replacement in the formation of high-strength concrete.
- ◆ Coal combustion fly ash or coal combustion gas scrubbing by-products when used as an ingredient for production of aggregate that will be used in

concrete or concrete products. This does not include use in flowable fill.

Foth has considerable experience in working with the local regulators for case-specific beneficial use determinations (CSBUD) as well as implementation of demonstration/research projects (DRP). Our Utilities team also has experience using suitable CCR material for engineering requirements in closure and site design. Foth's services for CCR Beneficiation include:

- ◆ Testing and analysis of CCR
- ◆ Market studies/analysis
- ◆ Identifying off-site customers
- ◆ Engineering and design for site
- ◆ Beneficial Use Determinations (BUD) permitting and compliance
- ◆ Beneficial re-use planning



**For more information, contact:**

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