

Pulverised Fuel Ash in Engineered Fill A Practical Users Guide

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KEYWORDS: Engineering Fill, Method Statement, Material Handling, Site Specific

ABSTRACT

Pulverised Fuel Ash has been used in Engineering Fill applications for many years. Various method statements have been produced on how PFA should be handled in regard to this application. This report sets out some of the practical challenges that were faced and the measures taken to either mitigate or deal with the issues at the supplying and receiving sites.

The guide is based on an actual project situated some 36 miles from the generator site. Transport was carried out by road transport in either 30te articulated vehicles or 20te rigid bodied vehicles. Over 160kte of material was delivered at a rate of approximately 25kte/month.

Accepted method statements to cover material handling were adhered to. This report takes perceived wisdom and practical issues a stage further and covers both controllable issues (such as loading and offloading facilities and machinery) to uncontrollable issues such as prevailing and unprecedented factors such as adverse weather and seasonal influences.

Actual examples of water inundated material will be addressed, with recommendations based on actual experience.

A contractors guide to plant and equipment used will be provided, this will cover loading, off loading, movement of material within the site, placing, spreading and compaction. Cover of compacted material will be addressed, along with the implications of leaving the material exposed to the elements.

The report outlines a typical method statement that is based on normal practice but amended to suit site-specific issues.

**Submitted for consideration in the 2009 World of Coal Ash Conference,
May 4-7, 2009.**