

# **Engineering and Environmental Specifications of State Agencies for Utilization and Disposal of Coal Combustion Products**

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## **ABSTRACT**

The objectives of this paper are twofold. The first is to present a state-by-state comparison of Department of Transportation (DOT) specifications governing the use of coal combustion products. Because of a lack of time and funding, most transportation engineers cannot properly research all the current technologies of coal ash utilization. This compilation allows transportation and materials engineers to become familiar with other department practices and identify areas where specifications are needed to be developed within their own transportation offices. Engineering practices are slow to change for many reasons. To facilitate changes, a systematic approach must be taken. The results of this effort will help familiarize DOT engineers and officials with coal ash use applications and help the coal ash industry develop a plan to work with these departments and individuals to expand their knowledge and familiarity while expanding coal ash markets.

The second objective is to establish a comparison of appropriate state agencies overlooking environmental regulations as they pertain to utilization and/or disposal. The impact of this technology will be in the form of supplying useful information to promote coal ash utilization and, when needed, establish useful guidelines for its disposal. Each state has its own specifications and environmental regulations. Often these two areas overlap in their guidelines, and the rules of one can either benefit or adversely affect the other. If an up-to-date, documented comparison between state agencies can be established it can be used to help establish and promote a national consensus for coal ash utilization and/or disposal.

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