



**Natural Resources  
Conservation  
Service**

**Suite 340  
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Date: November 30, 2000

**SUBJECT:** Technical Guide Notice No. 60

**To:** All holders of the PA Technical Guide

**Purpose.** To provide information on the use of coal combustion byproducts (CCB) in heavy use areas.

**Background.**

CCB's can be obtained in different forms and can have several uses in agriculture (see the attached Ohio State Univ. information). Since CCB's can often be obtained at little or no cost from local facilities, their use for surfacing areas can be less expensive than aggregate or concrete.

Field trials in Cambria and Somerset Counties, and at Penn State were used to gain approval from DEP/Bureau of Land Recycling & Waste Management to allow the use of CCB's for heavy use areas in PA. They have authorized this use provided: "1) the person or municipality proposing the use must first give advance written notice to the appropriate DEP regional office, 2) the CCB may not be mixed with other solid waste, unless approved in writing by DEP, and 3) the use of the CCB must result in a demonstrated reduction of the potential of the CCB to leach constituents into the environment." Our trial projects have basically complied with the third condition, however new sites should be designed to keep surface runoff off of the CCB surface (for example with appropriate Roof Runoff Management, Diversion, etc.) .

In addition, the attached Construction Specification Supplement must be used with the Heavy Use Area Protection (CP561) Construction Specification when using CCB's. Also for your information, the report on the Penn State trial is included. CCB from facilities, other than those noted in the Penn State report, should be tested by a lab or used in a small test plot before large-scale use to ensure their cementation ability.

If the above requirements are met, the use of CCB will be deemed beneficial and a site specific permit will not required from DEP.

A new national standard for Heavy Use Area Protection (CP561) was recently issued, so the State Office will be developing a new PA Tech Guide Standard in a few months. The current PA TG Standard 561 does allow for the use of CCB's.

**Filing Instructions**

File the CS Supplement with the Construction Specification for Heavy Use Areas (CP 561). The information papers can be kept as a reference for discussions with cooperators.

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State Conservationist

Enclosures