

From: Scott, Michael
Sent: Thursday, June 06, 2013 11:49 AM
To: Maycock, Robin L
Cc: Mussler, Ed
Subject: RE: Status on email on concrete waste residuals

Robin,

I have attached our response that addresses the different points we discussed on May 23rd. We have addressed the landfill questions while also providing some clarification on reuse options. Give me a call to discuss the specifics. I will be in the office this afternoon and on Friday.

- Concrete grinding residues (CGR) that are not liquid and otherwise not hazardous may be disposed of in a municipal solid waste landfill or utilized as an alternate daily cover (ADC). The definition of a solid, for solid waste disposal purposes, is a material that passes a Paint Filter test.
- CRG's may be eligible for disposal or use as ADC in an unlined sanitary landfill, or construction and demolition debris landfill. The Solid Waste section recommends that the unlined landfill operator obtain project specific data indicating that the material meets the Superfund Inactive hazardous Sites Branch limits for the eight RCRA metals for unrestricted use prior to acceptance at an unlined landfill.
- Dewatered CGR's may be beneficially reused within the DOT project boundary or areas under DOT control at agronomic rates suitable for the establishment of vegetation. Dewatered CGR's may also be used within the roadbed at rates approved by DOT staff for soil modification purposes.
- Analytical testing of CGR's for beneficial reuse is not required by the Solid Waste Section for CGR's that originate from new concrete surfaces. However, a basic North Carolina Department of Agriculture waste analysis is recommended to establish the ag lime equivalency (ALE). CGR's from existing concrete or contaminated concrete should be analyzed. The TCLP procedure should be used for contaminated concrete and a total metals analysis for existing concrete prior to reuse. A total metal analysis should be run for the eight RCRA heavy metals and compared to the Superfund Inactive Hazardous Sites Branch limits for unrestricted use.
- The link to the Superfund Inactive Hazardous Sites branch soil remediation is provided below:
http://portal.ncdenr.org/c/document_library/get_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361
- Bulk disposal of CGR's or roadside application of the slurry is not addressed by this response.

Michael

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