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Backus	08/28/2014	21667	3215-TRANSFER-2012



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 28, 2014

Mr. Dave Staab
TFC Recycling
5602 Chestnut Avenue
Newport News, Virginia 23605

Subject: Use of Crushed Glass as Alternate Daily Cover, DIN 21667

Dear Mr. Staab:

John Patrone of the Division of Waste Management, Solid Waste Section (Section), Field Operations Branch contacted me concerning a pile of crushed glass located on your company's property at 1017 South Hoover Road in Durham, North Carolina.

The pile was created from the collection of glass bottles for recycling. Your company has worked with a glass recycler to recover the glass and the majority of material has been removed from the site. The remaining glass pile contains extraneous material such as dirt, bottle tops, plastic tops, etc. that prevents processing by the glass recycler. John suggested that the remaining material could be used as alternate daily cover (ADC) at a municipal solid waste (MSW) landfill and asked the Permitting Branch to address the suggestion.

Based on visual examination of the material and the source you indicated, it appears that the materials could be classified as MSW. The pile has been stable for several years at the site which suggests it would meet the objectives of daily cover to control disease vectors, fires, odors, blowing litter, and scavenging. Although crushed glass has not been specifically approved as an ADC, it is contained in some of the materials that have been approved and "clean" crushed glass has been approved for use on the roads at a few landfills.

After you find an MSW landfill that will accept the material for use as ADC, the landfill should send a letter to Ed Mussler, III, P.E., the Section's Permitting Branch Supervisor, requesting approval of the material for that use. They should specifically reference that it is from your site, the approximate amount, and that it will be used for ADC at the working face. I would also suggest they attach this letter for reference. Since this would not be a continuing source of ADC, the approval would be for the one-time use of this specific material.

If you have further questions, you may contact me at (919) 707-8257 or by email at pat.backus@ncdenr.gov.

Sincerely,

Patricia Backus, P.E., Environmental Engineer
Division of Waste Management, NC DENR

cc: Ed Mussler, III, P.E., Permitting Branch Supervisor
John Patrone, Environmental Senior Specialist