



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

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Director

Dee Freeman
Secretary

SOLID WASTE SECTION
May 17, 2011

Mr. Andrew Tinsley
Duke Energy Corporation
EC13K/ Post Office Box 1006
Charlotte, North Carolina 28201-1006

Subject: Operations Plan – Landfill Operations Dust Control Plan (Plan)
Duke Energy Corporation – Allen Steam Station
Retired Ash Basin (RAB) Landfill Facility, Permit No. 3612
Gaston County, DIN 13931

Dear Mr. Tinsley:

On May 16, 2011 the Division of Waste Management (Division) received the Plan, with cover letter, entitled;

- *Landfill Operations Dust Control Plans, Retired Ash Basin (RAB) Ash Landfill, Duke Energy – Allen Steam Station, Belmont, North Carolina, S&ME Project No. 1356-10-009A, Task 05, S&ME Engineering License No. F-0176. Prepared for Duke Energy. Prepared by S&ME. May 13, 2011. DIN 13911.*

The Plan concerns language found in the current approved Operations Plan for Duke Energy's Allen RAB Landfill Facility, specifically **Section 2.5 Waste and Cover Placement**, which states;

- *The landfill active face should, at the operator's discretion, generally be approximately a 2-acre area to reduce the amount of exposed waste. Operational soil cover should be applied at least once a week or when the active area reaches approximately a 2-acre area. Operational soil cover shall be a 6-inch thick layer constructed of on-site soil or an approved alternative, such as tarps, spray applied cement based applications (i.e. posi-shell), or spray applied hydroseed mulch.*

And **Attachment 3, Part I, Condition 6 of the Permit to Operate**, which states;

- *The use of different alternative cover materials requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative cover material approval must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative cover material. The plan must be developed according to Section guidelines. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents listed in Attachment 1.*

The Operations Dust Control Plan prepared for Duke Energy proposes that the Division approve the Plan as a more effective method for controlling dust emissions from the Landfill Facility, than the currently approved method. The Division agrees that the Plan proposes a more effective method for controlling dust emissions and hereby approves the immediate implementation of the Plan at Duke Energy's, Allen Steam Station, Retired Ash



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Basin (RAB) Landfill Facility, Permit No. 3612. Duke Energy shall consider the referenced Operations Dust Control Plan (DIN 13911) as an approved document. Furthermore, that portion of the Operations Plan Section 2.5 Waste and Cover Placement (referenced above) and Attachment 3, Part I, Condition 6 of the Permit to Operate (referenced above) are considered to be no longer in effect. The Facility will no longer be required to exclusively apply six (6) inches of soil cover weekly to the working face for dust control, nor will the Facility be required to demonstrate alternative cover materials in the future. The Facility should operate in this manner until the current permit is either amended or modified.

The Division understands that Duke Energy is in the process of developing a Permit modification for the addition of "chimney drains" at the RAB Landfill Facility, as part of the application Duke Energy is expected to submit a revised Operations Plan which includes the removal of the referenced language in Section 2.5 and the addition of the Landfill Operations Dust Control Plans for Division approval. Prior to issuance of the modified Permit the Division will remove Attachment 3, Part I, Condition 6.

The Division anticipates the use of the Operations Dust Control Plan (DIN 13911) as a template for other Duke landfill facilities. Should you have any questions regarding this matter contact me at (828) 296-4704 or larry.frost@ncdenr.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry Frost".

Larry Frost
Environmental Engineer

cc: Don Scruggs – Duke Energy/Allen Steam Plant
Charles Gerstell – SWS/MRO
Ken Daly – S&ME