From: Ritter, Christine
To: Hannu Kemppinen;
cc: Chao, Ming-tai; Lane, Ervin;
Subject: RE: CRSWMA IRL Gas Probe
Date: Friday, January 20, 2012 10:23:42 AM

Hannu:

I have reviewed Joyce Engineering's Decemer 14, 2011 proposal to install a permanent landfill gas monitoring probe at the western property boundary of the closed inactive interim regional landfill (IRL) to monitor for methane gas. Elevated methane levels have been detected in landfill gas probes currently located adjacent to the edge of the waste cell and the proposed additional landfill gas monitoring well will be able to detect whether methane is migrating to the property boundary. In addition, during the site visit conducted by the NC Solid Waste Section at the CRSWMA Landfill site on January 19, 2012, Joyce Engineering, on behalf of CRSWMA, has agreed to install a groundwater monitoring well directly downgradient of the proposed new landfill gas monitoring probe to determine whether methane gas has migrated into the groundwater.

Please submit the appropriate reports and forms after the new landfill gas monitoring well and groundwater monitoring well have been installed.

If you have any questions, please do not hesitate to contact me at (919) 707-8254.

Thank you.

Christine Ritter (Christine.Ritter@ncdenr.gov)
Hydrogeologist
NC Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
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From: Hannu Kemppinen [mailto:hkemppin@joyceengineering.com]
Sent: Wednesday, December 14, 2011 2:48 PM

To: Ritter, Christine
Cc: Bobby Darden (bdarden@crswma.com); dwarmack; Evan Andrews; Carrie Mitchell; Jeremey Kerly
Subject: CRSWMA IRL Gas Probe

Dear Christine,

Joyce Engineering is submitting the attached letter with a location map for DENR notification of the intent to install a new gas probe at the Tuscarora landfill. The installation is planned for January 2012. Please review the attached and comment if you have questions before the planned work.

Hannu Kemppinen, P.G.
Senior Project Consultant

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