

DIN 13580

**Ritter, Christine**

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**From:** Chao, Ming-tai  
**Sent:** Thursday, February 17, 2011 8:48 AM  
**To:** Ritter, Christine  
**Subject:** Dare County C&DLF, Permit # 28-03

Christine: I have received the CQA report on 02/15/2011 for completion of construction of Phase 4 cells at the above referenced landfill. There are two separate documents listed below are related to hydro, and I need your approval for these two document then I can issue PTO-Phase 4. We have 30 days to complete this task according to Rule.

The documents need your review and approval are:

1. "Dare County Construction and Demolition Debris Landfill – Phase 4 Expansion, Well Abandonment Records" (Doc ID 10403). Prepared by CDM and dated 04/15/2010.
2. "Groundwater And Landfill Gas Monitoring Well Installation and initial Sampling Report, Dare County C&DLF – Cell 4 Expansion. Prepared by CDM and dated 08/30/2010. [This document has not been recorded in the tracking system yet, so no Doc ID No.]

After you approve these documents please send an e-mail message. I have to place these approval documents in the PTO. Thanks.

Ming

## Ritter, Christine

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**From:** Drummond, Jaclynne  
**Sent:** Friday, February 25, 2011 1:52 PM  
**To:** Ritter, Christine  
**Subject:** RE: Dare County C&D Landfill, permit #28-03  
**Attachments:** 6051Z\_SW9-21-10.TXT; 12241A.xls

Darren has been entering groundwater info into the tracker under my name when he is in the office. These documents are still located under his name on the N drive and only appear to contain the EDD. It appears that no Environmental Reporting Form or report were provided to the Section. It also appears that both DOC ID numbers contain the same data for the same event so it appears to be a duplicate.

If you question whether the metals are naturally occurring or attributed to turbidity at this facility, I would recommend they conduct a filtered vs. nonfiltered analysis on the wells of concern. This would determine if the concentrations are real or attributed to turbidity, etc. This is what Ervin and I recommend for alternate source demonstrations for metal exceedances.

**Jaclynne Drummond**  
Compliance Hydrogeologist  
NC Department of Environment and Natural Resources  
Division of Waste Management – Solid Waste Section  
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**From:** Ritter, Christine  
**Sent:** Friday, February 25, 2011 11:09 AM  
**To:** Drummond, Jaclynne  
**Cc:** Chao, Ming-tai  
**Subject:** Dare County C&D Landfill, permit #28-03

Hi Jackie-

When CDM installed their 2 new groundwater monitoring wells GW-16 and GW-17 in July 2010 for Cell 4 expansion and then performed baseline sampling in August 2010, the lab results showed exceedances of arsenic, chromium, and manganese above 2L in both wells, exceedances of lead and nickel above 2L in GW-17, and a 2L exceedance of selenium in GW-16. Both wells had exceedances of thallium and vanadium above Groundwater Protection Standard and cobalt was detected in GW-17 above the Groundwater Protection Standard. They attributed the detection of these metals to soil particles still suspended in the newly installed wells.

I saw on the Apex database that there were Fall 2010 sampling results but I cannot access the documents (DIN 12234, DIN 12241). My question is, what did the Fall 2010 sampling results show, and do we need to ask the facility to do anything before we issue their PTO?

Thanks,  
Christine

**Christine Ritter** ([christine.ritter@ncdenr.gov](mailto:christine.ritter@ncdenr.gov))

Hydrogeologist

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