From: Wootton, Brian
To: Andre Mullins;
cc: Hammonds, Andrew;
Subject: RE: McArtan LCID Renewal
Date: Monday, August 10, 2009 1:16:54 PM

Andre,

I appreciate your comments you sent me on August 5, 2009 (via e-mail and hard copies).
I have just a few questions pertaining to the maps and more specific questions pertaining to the "monitoring well no. 1", the landfill gas wells, and the landfill gas plan.

Some of the drawings depict the location of a "monitoring well No. 1", at the northern inside edge of the waste boundary.
Specify the type of monitoring well this is; landfill gas, groundwater, etc.
Is the well active? or no longer used?
Has the well been sampled in the past and currently sampled?
If yes, submit any compliance data for this well.
If the well is no longer used; has it been abandoned (sealed) properly?
If this is a groundwater monitoring well, please explain the purpose of this well. Is there another type of landfill on the site other than LCID? Most LCID landfills do not require groundwater monitoring; why this one?.
Submit any construction and/or abandonment data for this well, if available.
Also, according to the maps provided, the well is depicted within the waste boundary, and most likely need to be abandoned.

The current Landfill gas rules for LCID landfills (Reference: .0566) are not very specific concerning the details of a landfill gas plan. As requested in the previous e-mail to you on July 21, 2009, please include a landfill gas plan. The Solid Waste Section recommends that the plan be written in similar fashion as found in the Construction and Debris Landfill rules, [Reference: .0544(d)] . In the landfill gas plan should also include a sampling schedule and additional sampling points located at building structures on the facility, etc., to further ensure safety to workers, etc.

According to the revised drawings you submitted (August 5, 2009), two (2) proposed landfill gas wells have been placed on the north side of the property. More landfill gas wells maybe necessary, especially if there close adjacent neighbors located to the east, south, and west sides of the landfill property. Revise the number of additional gas wells and the proposed locations, if necessary.

Drawing, Sheet 4 (Cross-Sections for A-A' and B-B'), depict areas of "Required Earth Fill", above the seasonal high water table.
Please confirm and state on the drawing if necessary, whether the "Required Earth Fill" has already been applied or to be applied in the future.

For Drawing Sheets 1, 2, and 3, please confirm what the open circle symbols "PP" mean, located on the north side of the property.

Please call me or e-mail me if you have any questions.

Brian

Brian Wootton, Hydrogeologist
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From: Andre Mullins [amullins@espassociates.com]
Sent: Wednesday, August 05, 2009 9:19 AM
To: Wootton, Brian
Cc: Scott Childers
Subject: RE: McArtan LCID Renewal

Good morning Brian,

Attached are scans of the comment response letter for the McArtan LCID. I am sending you hard copies via UPS ground you should be receiving I a couple of days.

I added the methane wells and showed the hatching on the cross sections per your request.

If you have any additional questions or concerns please contact me or Scott Childers.

Thanks for your assistance,

Andre′ M. Mullins

From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Tuesday, July 21, 2009 3:05 PM
To: Andre Mullins
Cc: andrew.hammonds@ncmail.net
Subject: McArtan LCID Renewal

Andre′,

Per our phone conversation last week, I am asking clarification about a few items pertaining to the renewal of the LCID permit.

1. Condition No. 8-f, page 5 of the previous permit issued April 17, 2002, states the following: "Installation of two methane gas wells along the northern property boundary as addressed in the response letter dated 19 March 2002. Locations of the wells shall be placed on a as-built drawing for the site and submitted along with the boring logs and well construction records. The wells shall be installed to a depth equal to the maximum depth of waste placement at the site. The wells shall be placed at the 100′buffer limit/highway right-of-way line″.

The Solid Waste Section (SWS) has no gas well construction records, nor updated map(s) depicting gas wells on file. Please confirm whether or not these gas wells have been constructed. If yes, provide revised maps showing location of the gas wells and gas well construction data. If no, delineate on a revised map locations of new proposed gas wells and a gas plan [Reference: SWS rule .0566(13)].

2. In response to your letter and associated drawings dated, July 9, 2009, please revise the drawings (i.e. No′s 4 and 5) by depicting (via shading, etc) the LCID waste that has already been applied up to this current time.

Please call me or e-mail me if you have any questions.

Brian

Brian Wootton, Hydrogeologist

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