

From: Wayne Sullivan [wsullivan@mesco.com]
Sent: Monday, August 16, 2010 8:21 AM
To: Chao, Ming-tai
Subject: RE: Lenoir Co.

Ming,

We are responding to your questions about the facility plan and I hope to have the engineering plan and the facility plan back to you tomorrow.

D. Wayne Sullivan
Municipal Engineering Services Co., Inc.
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| Permit No. | Date | Document ID No. |
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| 54-09 | September 09, 2010 | 11553 |

RECEIVED
September 09, 2010 via an e-mail
Solid Waste Section
Raleigh Central Office

From: Chao, Ming-tai [mailto:ming.chao@ncdenr.gov]
Sent: Friday, August 13, 2010 2:12 PM
To: Wayne Sullivan
Cc: tmiller@co.lenoir.nc.us; Mussler, Ed
Subject: RE: Lenoir Co.

Wayne: I have completed a review the revised facility plan and have some comments shown below:

1. Because there are so many changes in the facility plan from the original permit application in 1998 to the latest one in August 2010, I want to confirm that the Total Gross Capability of the MSWLF which will be transferred to the PTO/PTC. The Total Gross Capability is not defined in the .1600 Rules for MSWLF but is required for the Solid Waste Section for reporting and planning landfill capacity in the State of North Carolina. For the consistency of using the term of "The Total Gross Capability" for all MSWLF and C&DLF, the Total Gross Capability is defined as the volume of the landfill calculated from the elevation of the initial waste placement through the top of the final cover, including any daily or period cover. For Lenoir County MSWLF, the Total Gross Capability will be calculated from the top of the protective cover (bottom of the cell) through the top of the final cover. I like to present the value of the Total Gross Capability based on the revised Facility Plan, and please correct me if mine is wrong.

| Phase | Area (acre) | Capacity (cubic yard) | Status |
|---|--------------------|-----------------------|-----------------|
| 1 | 10.53 | 511,000 | Fill completed |
| 2 | 9.23 | 564,066 | To be developed |
| 3 | 14.43 | 578,003 | Un-developed |
| 4 | Vertical expansion | 588,208 | Un-developed |
| 5 | Vertical expansion | 398,958 | Un-developed |
| 6 | 4.9 | 148,936 | Un-developed |
| Total Operating capacity (including daily cover) | | 2,789,171 | |
| Cover (final) | | 307,421 | |
| Total Gross Capacity | 39.09 (acre) | 3,096,592 | |

If this table is correct, please add the total gross capacity of 3,096,592 cubic yards to the Facility Plan. This value is slight higher than the original approved one, 3,009,339 cubic yards, but I think e can live with it.

2. (Figure 5 of 10) At Phase 2 area, the leachate lines layout must consider the cleanup of LCRs piping and operating the video camera in/out the LCR system. For examples, add clean out to all piping which can be accessed at haul road; not sharp bending of piping.
3. Based on the illustration on Figure 5 of 10, the Phase 2 will be divided into 2 cells. The facility plan and operations plan needs to clearly describe the cell construction sequences (will the cells be constructed the same time or constructed sequentially?) and storm water separations.
4. (Figure 7 of 10) Please add numerical numbers of the contours at Phase 6 area.

In the 07/29/2010 meeting I remembered that you mentioned the revised permit application for Lenoir County MSWLF would be submitted to DWM on 08/15/2010. I am looking forward to receiving the rest portions of the permit application for Phase 2 PTC.

Ming-Tai Chao, P.E.
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From: Wayne Sullivan [mailto:wsullivan@mesco.com]
Sent: Monday, August 09, 2010 9:00 AM
To: Chao, Ming-tai
Cc: Tom Miller; thollowe@co.lenoir.nc.us
Subject: Lenoir Co.

Ming,

Friday we sent you the Facility Plan revised according to your review letter. We are planning on submitting the remainder this week. If you need anything else just let me know.

D. Wayne Sullivan
Municipal Engineering Services Co., Inc.
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