

**From:** Andre Mullins [mailto:amullins@espassociates.com]  
**Sent:** Thursday, May 21, 2009 2:08 PM  
**To:** Chen, Zi-qiang  
**Cc:** Scott Childers  
**Subject:** RE: Document Submittal LCID Crowell/Doc Bennett

Good Morning Dr. Chen,

Attached you will find a table for Phases 1-14  
To answer questions 1 and 4

With respect to question 2 the unit weight for a landfill is 0.6 tons per cubic yard. If you look at the max fill rate of 5000 cubic yards per year. We are looking at 300 ton/yr, 25.0 tons/month and 1.186 tons/day (based on a 253 day operational year). I would also like to add that the Doc Bennett Landfill serves only Barnhill Contracting projects and disposal rates are based solely on projects awarded to Barnhill Contracting in the vicinity of the landfill. So actual disposal rates may have been less than previously projected.

With respect to question 3. The elevations on the cross section are based on NC state plane coordinates and reflect sea-level elevations. There is no structural fill in Phases 6-10 the fill is in the buffers as shown in the cross sections.

	Acreage	Average max. Elevation
Phase 1	0.60	-
Phase 2	0.63	-
Phase 3	0.63	-
Phase 4	0.63	-
Phase 5	0.58	-
Phase 6	1.19	159.29
Phase 7	0.72	160.52
Phase 8	0.61	160.11
Phase 9	0.58	159.92
Phase 10	0.63	157.24
Phase 11	0.68	156.92
Phase 12	0.75	157.82
Phase 13	0.65	159.95
Phase 14	3.34	163.47

I got your voice mail and was wondering how close we are to getting a permit  
Thanks for your assistance

Andre' Mullins

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**From:** Chen, Zi-qiang [mailto:zi-qiang.chen@ncdenr.gov]  
**Sent:** Wednesday, May 20, 2009 5:39 PM  
**To:** Andre Mullins  
**Subject:** RE: Document Submittal

Hi, Andre:

I shall be grateful if you would help provide the following info:

- 1). Provide the acreage number for each phase (Phases I thru XIV respectively);
- 2). Provide the site's maximum disposal rate (tonnage per year, average tonnage per month, and tonnage per day based on 253 operating days per year);
- 3). Confirm the structure-fill elevation (MSL) range for the proposed permit phases (6 thru 10).
- 4). Confirm the maximum elevation at the center of the site for the proposed permit phases (6 thru 10) and for the future grade (phase XIV).

Thank you very much.

Take care,  
Z. Chen

**From:** Andre Mullins [mailto:amullins@espassociates.com]  
**Sent:** Wednesday, May 13, 2009 9:16 AM  
**To:** Chen, Zi-qiang  
**Cc:** Scott Childers  
**Subject:** RE: Document Submittal

Dr Chen,

1. The owner and operator have not changed and will remain the same as the original permit.
2. Yes the deed information sent with my last submittal is the same as the original permit. The property has not been sold.
3. Attached with my last submittal you should have a faxed copy of the conditional use permit specific for the parcel. That states a Landfill is a permitted use. This permit has no expiration and is attached to this specific parcel. You will also note that this was sent from planning via fax last month to show it is current.
4. The last permit was for the entire landfill site. I do not see where it states the permit was for specific phases. It is my understanding that phasing on a LCID is to show how the plan will be operated but the permit is for the entire site. I also realize that due to the phasing and the estimated 5000 cy/yr the cells are projected to be full already but this has not occurred. We are not proposing to change phasing lines. Just to renew the permit for the LCID. Any changes to the original permit and calcs. seem to be redundant and may cause problems in future permitting.

The available capacity in each phase is as follows based on the latest topographic survey is as follows:

Phase 1= 1,514 cy  
Phase 2= 3,814 cy  
Phase 3= 7,888 cy  
Phase 4= 8,338 cy  
Phase 5= 7,618 cy

Phase 6= 10,508 cy  
Phase 7= 10,131 cy  
Phase 8= 8,755 cy  
Phase 9= 7,175 cy  
Phase 10= 6,725 cy  
Phase 11= 6,712 cy  
Phase 12= 8,985 cy  
Phase 13= 7,743 cy  
Phase 14= 26,085 cy

Total Capacity 121,991cubic yards

Thanks  
Andre Mullins

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**From:** Chen, Zi-qiang [mailto:zi-qiang.chen@ncdenr.gov]  
**Sent:** Tuesday, May 12, 2009 5:08 PM  
**To:** Andre Mullins  
**Subject:** RE: Document Submittal

Hi, Andre:

I am still in the process of completing my permit approval draft.  
I need your help to provide me with following materials:

- 1). Clarify whether the owner and operator of the proposed LCID facility remains the same as in the last permit;
- 2). Clarify if the registered deeds remain the same as in the last permit.

Provide an update of the owner/operator and the Deeds information if change(s) has took place since the last Permit was issued.

- 3). Provide a copy of the zoning consistency letter, or a statement saying that the zoning in the proposed project is good, which is within the same scope as stated in the last Zoning Consistency Letter dated March 5, 2001;
- 4). The last permit was good for Phases I thru V. As so, this permit will cover phases VI thru X (a 5-year duration), please provide a break-down table to show the Gross Landfill Capacity (cubic yards) for each phase.

Thanks for your help. I look forward to receiving the reply from you soon.

My best,  
Z. Chen

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