



1100 Robeson Street
 PO Box 35376
 Fayetteville, North Carolina 28303
 910-488-1319 Fax: 910-488-5673

www.barnhillcontracting.com

May 7, 2014

Geof Little
 NC DENR, Division of Waste Management
 Solid Waste Section Permitting
 1646 Mail Service Center
 Raleigh, NC 27699-1646

Permit No.	Date	Document ID No.
26-K	March 06, 2015	23929

Re: Doc Bennett Road LCID
 Permit No. 26-K

Received via a mail
 Date: **May 07, 2014**
 Solid Waste Section
 Raleigh Central Office

Dear Mr. Little:

Attached is information pertaining to a Permit Amendment for the above referenced landfill facility. This amendment is for the next five years of disposal operations within a previously permitted landfill. As required by the Application Guidance provided to us, we have included the following:

- Information for Section 1: General Information
- Information for Section 7: Application for 5-Year Permit
 - General Information in Section 1
 - Updated plans including cross-sections
 - Updates to operation plan
 - Letter from Cumberland County Planning Department

With this letter we are including two (2) paper copies of the narrative and plans as well as a CD containing a PDF of the above information. Please let us know if you have questions or need additional information.

Sincerely,
 Barnhill Contracting Company

Steve Waters

Barnhill Contracting Company
1100 Robeson Street
Fayetteville, NC 28305

Application for Permit Renewal
Doc Bennett Road Land Clearing & Inert Debris Landfill
Permit No. 36-K

Section 1: General Information

1. Name & Permit Number
Doc Bennett Road Land Clearing & Inert Debris Landfill
Permit No. 26-K
2. Contact Information
Landowner, Business Owner & Operator
Barnhill Contracting Company
1100 Robeson Street
Fayetteville, NC 28305
910.488.1319

Person In Responsible Charge:
Steve Waters
Barnhill Contracting Company
1100 Robeson Street
Fayetteville, NC 28305
910.488.1319
3. Applicant's Consulting Engineer
Call Sign Engineers, PA
104 Gillespie Street
Fayetteville, NC 28301
910.486.0700
4. Person to receive permit fee invoices
Steve Waters
Barnhill Contracting Company
1100 Robeson Street
Fayetteville, NC 28305
910.488.1319

Section 7: Application for 5-Year Permit

1. Section 1 information is indicated above.
2. See drawings included with this submittal
3. There are no revisions to the Operation Plan.
4. Included as a part of this submittal is a letter dated February 28, 2014 from the Planning & Inspections Department of Cumberland County stating that the LCID complies with the local land use and zoning codes and that a recent inspection shows the site to be in compliance.

Thomas J. Lloyd,
Director

Cecil P. Combs,
Deputy Director

Ken Sykes,
Code Enforcement Manager

Carol M. Post
Office Processing Assistant



CUMBERLAND
★ **COUNTY** ★
NORTH CAROLINA

Planning & Inspections Department

Debra Johnson,
Inspector

Chris Fulton
Inspector

George Hatcher,
Inspector

Joey Lewis,
Inspector

Joan Fenley,
Inspector

February 28, 2014

Gordon Rose, PE LEED AP
Call Sign Engineers
104 Gillespie Street
Fayetteville, NC 28301

Re: Barnhill Contracting LCID Site
Doc Bennett Road
PIN: 434-91-3834

Sir:

This is to confirm that the above subject property is located within the zoning jurisdiction of Cumberland County, North Carolina and is zoned RR CU -- Rural Residential with a Conditional Use Overlay. Zoning Case P92-3 was approved by the Cumberland County Board of County Commissioners May 26, 1992. In doing so, the Commissioners approved the current zoning and the operation of a demolition landfill.

A site inspection was performed by Debra Johnson on February 28, 2014. Her inspection shows the site to be in compliance with the above referenced case.

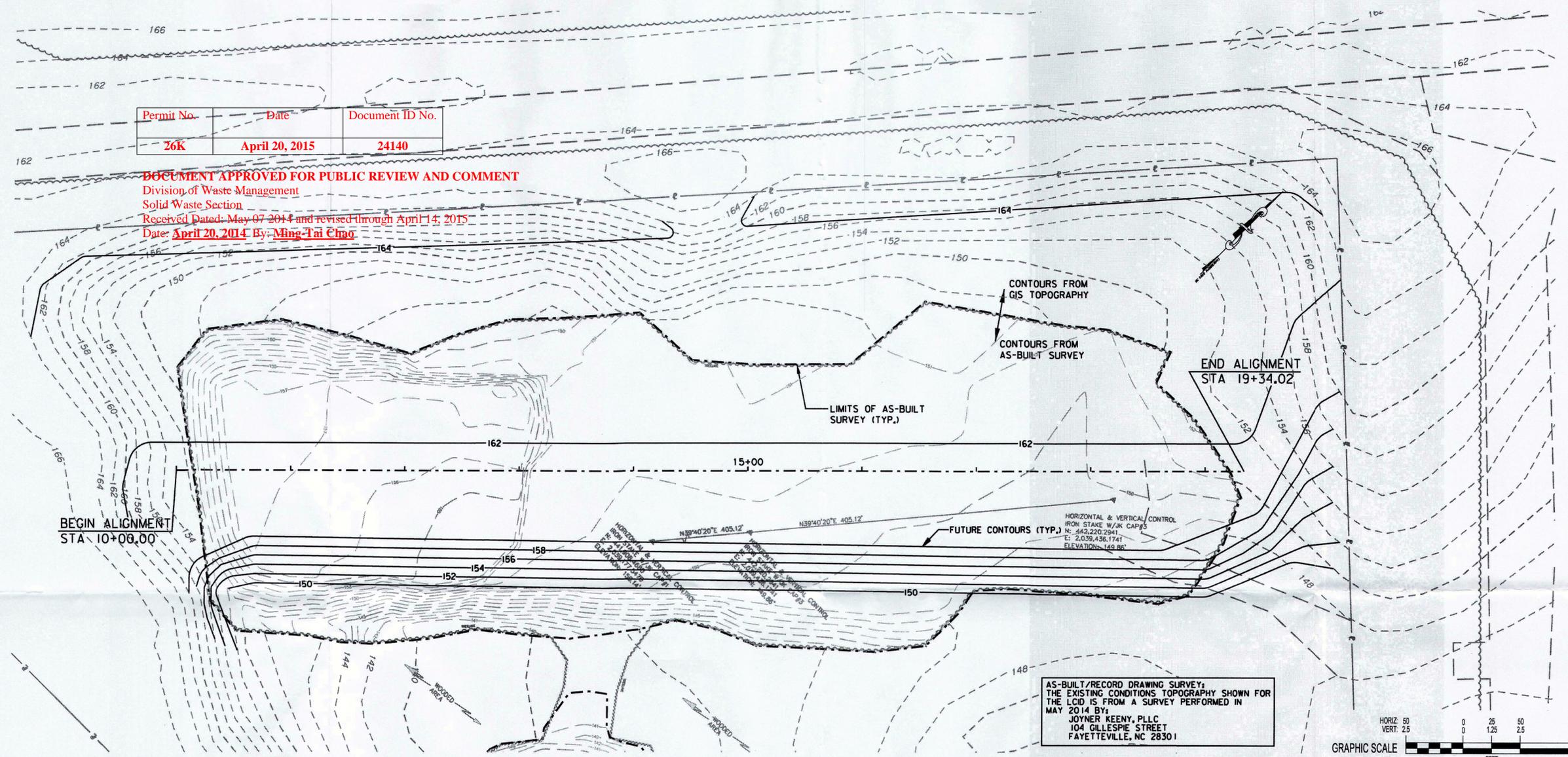
I hope this meets your needs. Please let me know if you need anything additional.

Sincerely,

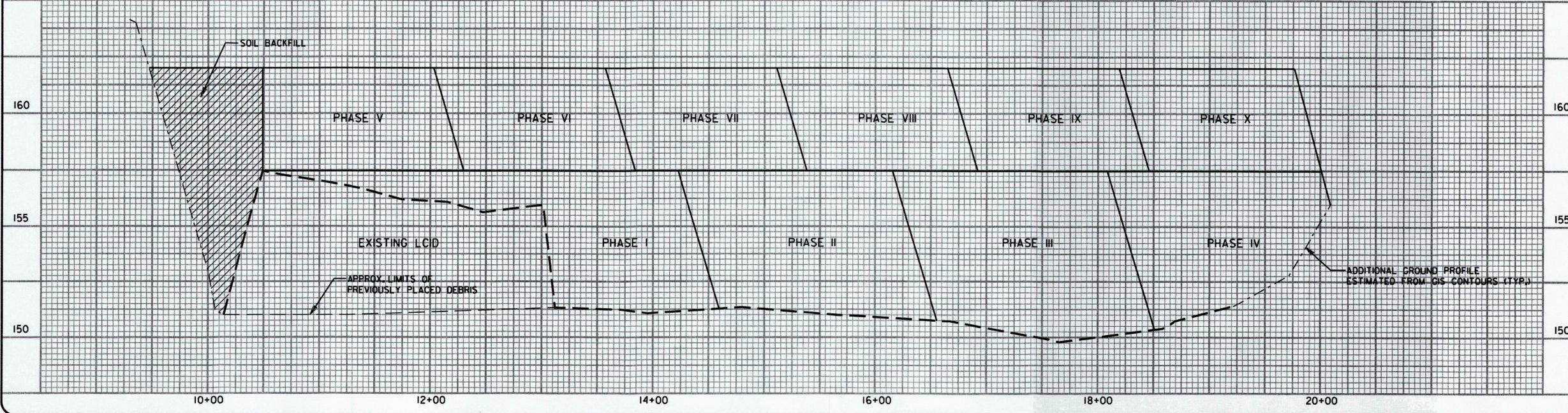
Kenneth Sykes
Code Enforcement Manager

Permit No.	Date	Document ID No.
26K	April 20, 2015	24140

DOCUMENT APPROVED FOR PUBLIC REVIEW AND COMMENT
 Division of Waste Management
 Solid Waste Section
 Received Date: May 07 2014 and revised through April 14, 2015
 Date: April 20, 2014 By: Ming-Tai Chao

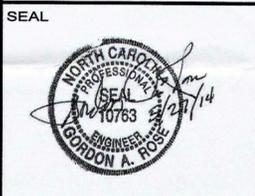


AS-BUILT/RECORD DRAWING SURVEY:
 THE EXISTING CONDITIONS TOPOGRAPHY SHOWN FOR
 THE LCID IS FROM A SURVEY PERFORMED IN
 MAY 2014 BY:
 JOYNER KEENEY, PLLC
 104 GILLESPIE STREET
 FAYETTEVILLE, NC 28301



BARNHILL CONTRACTING COMPANY

CALL SIGN ENGINEERS
 104 Gillespie Street
 Fayetteville, NC 28301
 Ph: 910.486.0700 Fax: 910.486.8900
 www.callsignengineers.com
 NC Firm License No. C-3485



NO.	DATE	DESCRIPTION
1	14	

DATE:	MAY 27, 2014
CSE PROJ. #	BAR_0073
DRAWN	CHW
DESIGNED	CHW/GAR
CHECKED	GAR
PROJ. MGR.	CHW
DOC BENNETT ROAD LCID PERMIT RENEWAL	
PROJECT STATUS	
MAP UPDATE	
MAP UPDATE (MAY 2014)	
C-01	

RECEIVED

APR 02 2015



S-EAST / BARNHILL

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Division of Waste Management

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Solid Waste Section

March 30, 2015

Permit No.	Date	Document ID No.
26K	April 13, 2015	24137

Mr. Steve Waters
Barnhill Contracting Company
1100 Robeson Street
Fayetteville, NC 28305

Received by an e-mail
Date: April 13, 2015
Solid Waste Section
Raleigh Central Office

Subject: Comments on the Permit Amendment Application for a Five (5)-Year Permit Review
Doc Bennett Road Land Clearing and Inert Debris Landfill (LCIDLF)
Cumberland County, North Carolina,
Permit No. 26K-LCID-, Document ID No. (DIN) 23948

Dear Mr. Waters:

The Division of Waste Management (DWM), Solid Waste Section (SWS) received a permit amendment application (permit application) for a five (5) – year permit review of the above-referenced landfill. This permit amendment application contained the following documents. They were logged, scanned, and uploaded to the DWM document tracking system with a document identification number (DIN) 23929:

- A cover letter dated May 07, 2014 (one page).
- A copy of the narrative of Section 1 – General Information (one page).
- A copy of narrative of Section 7 (one page).
- One copy of Map Update (May 2014), C-01 dated May 27, 2014 and prepared by Call Sign Engineers.

Please address the following comments on the application.

1. The SWS records and files indicated that the facility has had numerous names, such as APAC-Carolinas/Crowell Constructor LCID Landfill, Snow Hill LCIDLF, Barnhill Crowell Site LCID Landfill, Doc Bennett Road LCID, and Doc Bennett Road LCID Landfill. To avoid any confusion please confirm the facility name. The SWS will make administrative changes to the existing and historical files and records accordingly and use the confirmed facility name in the document henceforward.
2. According to the existing permit – Permit Condition No. 2, Attachment 2 (DIN 9941) and the May 21, 2009 e-mail correspondence (DIN 7606), the LCIDLF has an approved total gross capacity of 121,991 cubic yards (CY), to be developed in fourteen (14) phases. The Map Update (May 2014) in the new permit application (DIN 23929) shows the LCIDLF will be developed in ten (10) phases without changing the final fill grades at the approximate elevation of 162 feet above mean seal level and the waste footprint of approximately 16.1 acres. Because the new phased landfill developments are proposed in this permit application, please provide the required information in the following table, which will be incorporated into the new permit:

Landfill Phases	Acreage ^a	Capacity (CY) ^b	Status ^c
Phase I			
Phase II			
Phase III			
Phase VI			
Phase V			
Phase VI	Vertical Expansion		
Phase VII	Vertical Expansion		
Phase VIII	Vertical Expansion		
Phase IX	Vertical Expansion		
Phase X	Vertical Expansion		
Total	16.1	121,991	

Notes:

- a. The Phases I through V are lateral expansions. According to February 25, 2010 e-mail message from Steve Waters to Chen, Zi-qiang the total waste footprint of the LCIDLF is 16.1 acres, which is located at the 25-acre landfill facility.
- b. Waste capacity for each proposed phase must be consistent with the drawing Map Update (May 2014). The previously approved total capacity of the LCIDLF is 121,991 CY.
- c. If the landfill phase(s) has been constructed and are currently receiving wastes please note the status as "Constructed & Active." If the phases will be constructed and receive wastes in the next five years, please note the status as "Permitted." If the phases will be constructed and received wastes in the future, please note the status as "Pending."

If you have any questions or requests for further clarification to the comments, please contact me at (919) 707-8251 or ming.chao@ncdenr.gov.

Sincerely,



Ming-Tai Chao, P.E.
Environmental Engineer
Division of Waste Management, NCDENR

cc:

Ed Mussler, Permitting Branch Supervisor
Drew Hammonds, DWM
Dennis Shackelford, DWM
Central Files



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April 9, 2015

Ming-Tai Chao, PE
NC DENR, Division of Waste Management
Solid Waste Section Permitting
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: Doc Bennett LCID
Cumberland County, NC
Permit No. 26K-LCID

Dear Mr. Chao:

This letter is in response to the comments provided on the above referenced project by your letter of March 30, 2015 and in reference to our submittal on May 7, 2014 for a 5-year permit renewal on this LCID. We provide the following response to each comment contained in your letter:

1. Confirm the facility name.
 - This facility shall be called the "Doc Bennett LCID".
2. See the table below containing the information requested.

Landfill Phases	Acreage (AC) ^a	Capacity (CY) ^b	Status ^c
I	3.8	10,694	Constructed & Active
II	1.7	11,917	Permitted
III	1.7	13,036	Permitted
IV	1.8	7,259	Permitted
V	0.0	12,400	Permitted
VI	Vertical Expansion	12,917	Permitted
VII	Vertical Expansion	12,917	Permitted
VIII	Vertical Expansion	13,692	Permitted
IX	Vertical Expansion	14,467	Permitted
X	Vertical Expansion	12,600	Permitted
Total	9.0	121,898	

- a. Please note that the total waste footprint will be approximately 9 acres, not the 16.1 acres referenced. In reviewing the original permit drawings it appears the 16.1 acres was a drainage area for the sediment basin and not the actual waste area. The above figures should be more accurate.
- b. Waste capacities for each phase are noted above.
- c. As noted in the table, Phase I is active and currently receiving waste material. The remaining phases will receive waste as the previous phase is filled. It is not known at this time how quickly these phases will be completed but all phases should be included in this 5-year renewal.

Should you have further questions or require additional information, please do not hesitate to contact me.

Sincerely,

Barnhill Contracting Company

A handwritten signature in black ink, appearing to read "Steve Waters", written in a cursive style.

Steve Waters

From: [Steve Waters](#)
To: [Chao, Ming-tai](#)
Subject: Doc Bennett LCID
Date: Monday, April 13, 2015 8:44:13 AM
Attachments: [DOC.PDF](#)

Steve Waters
Office Manager, Southeast Div.
Barnhill Contracting Company
PO Box 35376
Fayetteville, North Carolina 28303
910/829-6261 (office)
910/488-5673 (facsimile)
910/978-2412 (mobile)
swaters@barnhillcontracting.com

April 14, 2015

Ming-Tai Chao, PE
 NC DENR, Division of Waste Management
 Solid Waste Section Permitting
 1646 Mail Service Center
 Raleigh, NC 27699-1646

Permit No.	Date	Document ID No.
26K	April 14, 2015	24145

Received by an e-mail
 Date: **April 14, 2015**
 Solid Waste Section
 Raleigh Central Office

Re: Doc Bennett LCID
 Cumberland County, NC
 Permit No. 26K-LCID

Dear Mr. Chao:

This letter is in response to the comments provided on the above referenced project by your email of April 13, 2015.

We misunderstood the information contained in your letter of March 30, 2015 which indicated a capacity of 121,991 CY for this landfill. We took that to mean there were 121,991 CY remaining in the landfill for this permit renewal. We see by the most recent information you provided that this figure was the total permitted capacity of this LCID.

It is still not clear to us where you derived your figure of 108,221 CY. However, the figures provided to you previously were based on average lengths, widths and depths and did not account for side slopes, end slopes, cover material, etc. We have since gone back to our drawing and used more accurate dimensions to come up with the following areas and volumes for each phase. You will note that we have also addressed the volume shown as "Existing LCID, Approximate Limits of Previously Placed Debris". Coincidentally, it is close to the 13,677 CY figure you provided but the two are not related.

See the table below containing the information requested.

Landfill Phases	Acreege (AC)	Capacity (CY)	Status
<i>Previously Completed</i>	2.8	13,200	<i>Constructed</i>
I	3.8	8,361	Current & Active
II	1.8	10,924	Permitted
III	1.8	12,033	Permitted
IV	1.9	7,259	Permitted
V	0.0	11,022	Permitted
VI	Vertical Expansion	11,481	Permitted
VII	Vertical Expansion	11,481	Permitted
VIII	Vertical Expansion	12,170	Permitted
IX	Vertical Expansion	12,859	Permitted
X	Vertical Expansion	11,200	Permitted
Total	12.2	121,992	

Permit No.	Date	Document ID No.
26K	April 20, 2015	24140

DOCUMENT APPROVED FOR PUBLIC REVIEW AND COMMENT
 Division of Waste Management
 Solid Waste Section
 Received Dated: May 07 2014 and revised through April 14, 2015
 Date: **April 20, 2014** By: **Ming-Tai Chao**

- a. Please note that the total waste footprint will be approximately 12.2 acres, not the 16.1 acres referenced. In reviewing the original permit drawings it appears the 16.1 acres was a drainage area for the sediment basin and not the actual waste area. The above figures should be more accurate and also reflect the area for side slopes, etc..
- b. Approximate waste capacities for each phase are noted above.
- c. As noted in the table, Phase I is active and currently receiving waste material. The remaining phases will receive waste as the previous phase is filled. It is not known at this time how quickly these phases will be completed but all phases should be included in this 5-year renewal.

Should you have further questions or require additional information, please do not hesitate to contact me.

Sincerely,

CALL SIGN ENGINEERS, PA

A handwritten signature in blue ink, appearing to read "Gordon A. Rose". The signature is fluid and cursive, with the first name being the most prominent.

Gordon A. Rose, PE, LEED AP

From: [Gordon Rose](#)
To: [Chao, Ming-tai](#)
Cc: swaters@barnhillcontracting.com
Subject: RE: Doc Bennett LCID
Date: Tuesday, April 14, 2015 2:05:59 PM
Attachments: [Letter BARNHILL Response Doc Bennett LCID 20150414.pdf](#)

Mr. Chao,

Please see the attached letter in response to your comments. Please let me know if you have any questions.

Thank you,
Gordon Rose

-----Original Message-----

From: Chao, Ming-tai [<mailto:ming.chao@ncdenr.gov>]
Sent: Monday, April 13, 2015 4:38 PM
To: Gordon Rose
Cc: swaters@barnhillcontracting.com
Subject: RE: Doc Bennett LCID

Dear Mr. Rose:

The approved total capacity of 121,991 CY for Doc Bennett LCIDLF can be found in the existing permit (DIN 9941) dated April 06, 2010. This volume was requested for an approval by ESP Associates, P.A, on behalf of Barnhill Contracting Company on the e-mail correspondence dated May 13, 2009 (DIN 7606) in which the landfill would be developed by 14 phases over 12.22-acre waste footprint.

The current permit amendment application dated May 07, 2014 proposes to develop the landfill by 10 phases, as shown as-built survey map dated May 27, 2014 (DIN 23929). The new total gross capacity of 121,898 CY for 10-phased development over 9-acre waste footprint is described in the April 9, 2015 response letter (DIN 24137).

The sum of the 10-phased volumes of the landfill is 108,221 CY, not 121,898 CY as shown in the April 9, 2015 response letter (DIN 24137). There is a shortfall of 13,677 CY. Since the drawing C-01 - Project Status, Map Update, May 2014 (DIN 23929), prepared by Call Sign Engineers, shown "Existing LCID, Approximate Limits Of Previously Placed Debris" in the stations 10+15 to 13+10 outside the proposed 10-phased development, I questioned if the above-referenced volume difference of 13,677 CY is the "previously placed waste volume."

If not, please provide me the correct volume of each of the ten (10) phase of the LCIDLF. Please note that the total capacity of the LCIDLF should include the in-place waste volume (Since this landfill has been operating in 1992) and the remained volume for future disposal at Doc Bennett LCIDLF.

Please let me know if you have any question of the landfill capacity. Have a wonderful day.

Ming Chao
Ming-Tai Chao, P.E.

Environmental Engineer
Permitting Branch, Solid Waste Section
Division of Waste Management
(Mailing Address)
1646 Mail Service Center
Raleigh, NC 27699-1646
(Street Address)
Green Square, 217 West Jones Street
Raleigh, NC 27603
Tel. 919-707-8251
ming.chao@ncdenr.gov
<http://portal.ncdenr.org/web/wm/sw>

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

-----Original Message-----

From: Gordon Rose [<mailto:gordon.rose@callsignengineers.com>]
Sent: Monday, April 13, 2015 3:54 PM
To: Chao, Ming-tai
Cc: Steve Waters
Subject: FW: Doc Bennett LCID

Mr. Chao,

I am assisting Mr. Waters with the responses to your comments. You state below that you " found out the total capacity of the landfill is about 108,221 cubic yards (CY), not the proposed 121,898 CY". Can you describe to me how you came up with the figure of 108,221 CY? You had previously provided us with the figure of 121,991 CY as the capacity.

Gordon Rose
Call Sign Engineers, PA
104 Gillespie Street
Fayetteville, NC 28301

-----Original Message-----

From: Chao, Ming-tai [<mailto:ming.chao@ncdenr.gov>]
Sent: Monday, April 13, 2015 2:41 PM
To: Steve Waters
Subject: RE: Doc Bennett LCID

Dear Mr. Waters:

After reviewing the 04/09/2015 responses, I found out the total capacity of the landfill is about 108,221 cubic yards (CY), not the proposed 121,898 CY. Could you please verify the volume of each phase? Or the difference of 13,677 CY is the in-place waste volume in Phases I. Please clarify. Thank you for the help.

Ming Chao
Ming-Tai Chao, P.E.
Environmental Engineer
Permitting Branch, Solid Waste Section
Division of Waste Management
(Mailing Address)
1646 Mail Service Center
Raleigh, NC 27699-1646

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<http://portal.ncdenr.org/web/wm/sw>

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-----Original Message-----

From: Steve Waters [<mailto:swaters@barnhillcontracting.com>]
Sent: Monday, April 13, 2015 9:13 AM
To: Chao, Ming-tai
Subject: RE: Doc Bennett LCID

10-4, Thank you very much for your help.

Steve Waters
Office Manager, Southeast Div.
Barnhill Contracting Company
PO Box 35376
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910/829-6261 (office)
910/488-5673 (facsimile)
910/978-2412 (mobile)
swaters@barnhillcontracting.com

-----Original Message-----

From: Chao, Ming-tai [<mailto:ming.chao@ncdenr.gov>]
Sent: Monday, April 13, 2015 8:48 AM
To: Steve Waters
Subject: RE: Doc Bennett LCID

Dear Mr. Waters:

I received the response letter and will conduct the permit processes for your facility this week. Have a wonderful day.

Ming Chao
Ming-Tai Chao, P.E.
Environmental Engineer
Permitting Branch, Solid Waste Section
Division of Waste Management
(Mailing Address)
1646 Mail Service Center
Raleigh, NC 27699-1646
(Street Address)
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<http://portal.ncdenr.org/web/wm/sw>

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Carolina Public Records Law and may be disclosed to third parties.

-----Original Message-----

From: Steve Waters [<mailto:swaters@barnhillcontracting.com>]

Sent: Monday, April 13, 2015 8:37 AM

To: Chao, Ming-tai

Subject: Doc Bennett LCID

Steve Waters

Office Manager, Southeast Div.

Barnhill Contracting Company

PO Box 35376

Fayetteville, North Carolina 28303

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