

From: [Steve Waters](#)
To: [Wootton, Brian;](#)
cc: [Mussler, Ed;](#)
Subject: RE: McArtan LCID permit renewal
Date: Friday, January 29, 2010 1:58:46 PM

Steve Waters
Office Manager - Southeast Division

Barnhill Contracting Company
P.O. Box 35376
Fayetteville, N.C. 28303
Phn: (910) 488-1319 Fax: (910) 488-5673
Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com

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

From: Wootton, Brian [<mailto:brian.wootton@ncdenr.gov>]
Sent: Friday, January 29, 2010 11:36 AM
To: Steve Waters
Cc: Mussler, Ed
Subject: FW: McArtan LCID permit renewal

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

From: Wootton, Brian
Sent: Wednesday, January 27, 2010 3:15 PM
To: 'swaters@barnhillcontracting.com'
Cc: Mussler, Ed
Subject: McArtan LCID permit renewal

Steve,

Some final questions:

Please confirm the following acreage at the McArtan LCID landfill,
Permit No. 43-E:

.

1. The amount of acreage that has been used for LCID disposal up to

this present time for Phase 1.

2.07 Acres

2. The amount of acreage remaining to be used for LCID disposal for Phase 1.

3.78 Acres

3. Total acreage for Phase 1.

5.85 Acres

4. The amount of total acreage to be used for LCID disposal for Phase 2.

3.66 Acres

5. And the total acreage for both Phases 1 and 2.

9.51 Acres

Thanks,

Brian

Brian Wootton, Hydrogeologist
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
401 Oberlin Road, Suite 150, 27605
tel: 919-508-8524, fax: 919-733-4810
Brian.Wootton@ncmail.net <<mailto:Brian.Wootton@ncmail.net>>
<http://wastenotnc.org/swhome/>

From: [Steve Waters](#)
To: [Wootton, Brian;](#)
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Sent: Wednesday, January 27, 2010 3:15 PM
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Cc: Mussler, Ed
Subject: McArtan LCID permit renewal

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Thanks,

Brian

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Brian.Wootton@ncmail.net <<mailto:Brian.Wootton@ncmail.net>>
<http://wastenotnc.org/swhome/>

Wootton, Brian

From: Steve Waters [swaters@barnhillcontracting.com]
Sent: Tuesday, January 19, 2010 8:53 AM
To: Wootton, Brian
Cc: Hammonds, Andrew
Subject: RE: McArtan LCID landfill
Attachments: image001.gif

Cumberland Paving Company was purchased by Barnhill Contracting Company in 1973. BCC does not lease this property to anybody else that I am aware of.

Steve Waters

Office Manager - Southeast Division

Barnhill Contracting Company

P.O. Box 35376

Fayetteville, N.C. 28303

Phn: (910) 488-1319 Fax: (910) 488-5673

Direct Dial: (910) 829-6261

E-Mail: swaters@barnhillcontracting.com



From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Tuesday, January 19, 2010 8:30 AM
To: Steve Waters
Cc: Hammonds, Andrew
Subject: McArtan LCID landfill

Steve,

The deed attached to the Permit to Construct on April 17, 2002 shows Alvin R. McArtan and wife as Grantor and Cumberland Paving Company as Grantee.

Is Cumberland Paving Company and Barnhill Contracting Company the same company or different. Please provide documentation showing this.

Does Barnhill Contracting Company lease this property to someone else?.

Thanks,

Brian

Brian Wootton, Hydrogeologist
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
401 Oberlin Road, Suite 150, 27605
tel: 919-508-8524, fax: 919-733-4810
Brian.Wootton@ncmail.net<mailto:Brian.Wootton@ncmail.net>
<http://wastenotnc.org/swhome/>

Wootton, Brian

From: Hammonds, Andrew
Sent: Thursday, January 14, 2010 2:42 PM
To: Wootton, Brian
Cc: Hammonds, Andrew
Subject: 43-E,McArtanLCID-Barnhill.pdf - Adobe Reader
Attachments: 43-E,McArtanLCID-Barnhill.pdf

Brian,

Forgot to look in the file but will try and remember to do so tomorrow. This is what I found on the Harnett Register of Deeds site. The copy of the deed in the file is apparently what was filed in association with the permit application. I guess follow up with Barnhill to determine if they own the property or just leasing it?

Drew

Drew Hammonds
Environmental Senior Specialist
North Carolina Department of Environment & Natural Resources
Division of Waste Management
Solid Waste Section
225 Green Street, Suite 714
Fayetteville, North Carolina 28301

.....
Dept. Tel: (910)433-3300
Office Tel: (910)433-3351
Fax: (910)486-0707

.....
<http://www.wastenotnc.org/swhome>

Note new email address: andrew.hammonds@ncdenr.gov

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.

Wootton, Brian

From: Hammonds, Andrew
Sent: Thursday, January 14, 2010 2:48 PM
To: Wootton, Brian
Subject: Notification BarnhillLCID-McArtanJoesyWilliamsRd.pdf - Adobe Reader
Attachments: BarnhillLCID-McArtanJoesyWilliamsRd.pdf

Copy of the Notification for the less than 2 acre LCID from the Harnett Co Register of Deeds site. Has Barnhill down as property owner but the deed on the GIS still has Cumberland Paving as the owner. Is Cumberland Paving and Barnhill the same?

Drew

Drew Hammonds
Environmental Senior Specialist
North Carolina Department of Environment & Natural Resources
Division of Waste Management
Solid Waste Section
225 Green Street, Suite 714
Fayetteville, North Carolina 28301

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Dept. Tel: (910)433-3300
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Note new email address: andrew.hammonds@ncdenr.gov

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.

Wootton, Brian

From: Scott Childers [schilders@espassociates.com]
Sent: Wednesday, December 23, 2009 1:52 PM
To: Wootton, Brian
Subject: RE: McArtan LCID

Thanks Brian.

-----Original Message-----
From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Wednesday, December 23, 2009 1:44 PM
To: Scott Childers
Subject: FW: McArtan LCID

Scott,

Per our phone conversation today,
Previous e-mail by Steve Waters, mentioning in-part information about the gas wells.
One well was located, the other well could not be located.

Brian

=====
-----Original Message-----
From: Steve Waters [mailto:swaters@barnhillcontracting.com]
Sent: Thursday, December 17, 2009 7:06 AM
To: Wootton, Brian
Subject: RE: McArtan LCID

Thank you for your help Brian.

Steve Waters
Office Manager - Southeast Division

Barnhill Contracting Company
P.O. Box 35376
Fayetteville, N.C. 28303
Phn: (910) 488-1319 Fax: (910) 488-5673
Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com

-----Original Message-----
From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Wednesday, December 16, 2009 4:36 PM
To: Steve Waters
Cc: Hammonds, Andrew
Subject: FW: McArtan LCID

Steve,

Thank you for the information.
This helps.

I will get in touch with Drew Hammonds of Solid Waste Section
and will get back with you soon to set up a site visit with you after
January 4th, 2010.

I will be out tomorrow and Friday,
Will return on Monday.

Sincerely,

Brian Wootton

I will get with

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

From: Steve Waters [mailto:swaters@barnhillcontracting.com]
Sent: Wednesday, December 16, 2009 4:25 PM
To: Brian.Wootton@ncmail.net
Subject: McArtan LCID

Brian,

I enjoyed talking to you this afternoon. Please find attached a
correspondence from Crawford Design answering some questions from Jim
Barber back in 2002. Question #6 pertains to two methane monitoring
wells. Page #3 also shows where the wells are supposed to be located. I
went to the site this afternoon and found well #1. I could not find well
#2. The other 4 sites on the drawing from page #3 indicate wells but
those were actually auger sites where SM&E drilled to determine the
seasonal water level prior to the beginning of dumping at the site.

I have also included a copy of the Permit to Construct that was granted
in 2002.

I hope we can get together at the site in early January to get this
thing resolved and a renewal permit issued.

Thank you

Steve Waters
Office Manager - Southeast Division

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P.O. Box 35376
Fayetteville, N.C. 28303
Phn: (910) 488-1319 Fax: (910) 488-5673 Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com

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Scott Childers, PE
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Fax: 803.802.2515
Direct: 803.835.0882
Cell: 704.507.2423
schilders@espassociates.com
www.espassociates.com

Wootton, Brian

From: Wootton, Brian
Sent: Wednesday, December 23, 2009 1:39 PM
To: 'swaters@barnhillcontracting.com'; 'Scott Childers'; Hammonds, Andrew
Subject: FW: site visit - McArtan LCID - JAN. 12TH-10:30AM

Let's meet at the landfill site at
10:30 am on Tues January 12th.

If you have a problem with this time and or day, let me know.

I had a phone conversation with Scott Childers today...
It may be not necessary for him to meet with us, but one of his co-workers may attend.

Thanks,

Brian

=====
-----Original Message-----

From: Steve Waters [mailto:swaters@barnhillcontracting.com]
Sent: Monday, December 21, 2009 3:41 PM
To: Wootton, Brian; Scott Childers; Drummond, Jaclyne
Subject: RE: site visit - McArtan LCID

I can meet any of those days that you and Drew have listed as being
available. I will be out from Dec. 24, 2009 until Jan. 4, 2010.

Steve Waters
Office Manager - Southeast Division

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P.O. Box 35376
Fayetteville, N.C. 28303
Phn: (910) 488-1319 Fax: (910) 488-5673
Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com

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

From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Monday, December 21, 2009 3:16 PM
To: Steve Waters; Scott Childers; Drummond, Jaclyne
Subject: site visit - McArtan LCID

Steve, Scott, Drew,

Checking to see available dates and times we can meet at the McArtan

Landfill site and conclude with a short meeting afterwards at a inside location, (i.e. office, restaurant, etc,) to wrap things up.

Please let me know very soon (via e-mail response), the days that are available for you; to meet during the time frame - 2 weeks after January 10, 2010.

Once you send me your days available, I will choose a day, time, etc. and e-mail you back.

Myself - and Drew Hammonds available dates to meet are:

Jan 12, 14, 15
Jan 19, 20, 22

Thanks,

Brian

I will be out Dec. 24th, 25th of this week.

=====
=====

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

From: Wootton, Brian
Sent: Wednesday, December 16, 2009 4:36 PM
To: 'swaters@barnhillcontracting.com'
Cc: Hammonds, Andrew
Subject: FW: McArtan LCID

Steve,

Thank you for the information.
This helps.

I will get in touch with Drew Hammonds of Solid Waste Section and will get back with you soon to set up a site visit with you after January 4th, 2010.

I will be out tomorrow and Friday,
Will return on Monday.

Sincerely,

Brian Wootton

I will get with

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To: Brian.Wootton@ncmail.net

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I have also included a copy of the Permit to Construct that was granted in 2002.

I hope we can get together at the site in early January to get this thing resolved and a renewal permit issued.

Thank you

Steve Waters
Office Manager - Southeast Division

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P.O. Box 35376
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Phn: (910) 488-1319 Fax: (910) 488-5673 Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com

Wootton, Brian

From: Scott Childers [schilders@espassociates.com]
Sent: Thursday, December 17, 2009 10:12 AM
To: Wootton, Brian
Subject: RE: McArtan

Brian,

I tried to leave you a message this morning, but your voice mail was not cooperating. I will try to call you again tomorrow. Thanks.

From: Scott Childers
Sent: Tuesday, December 15, 2009 4:54 PM
To: 'Wootton, Brian'
Subject: RE: McArtan

I just do not have everything in front of me today, so it would be easier to discuss tomorrow. Please just review the information, and then respond or call me to discuss. Thanks.

From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Tuesday, December 15, 2009 4:46 PM
To: Scott Childers
Subject: RE: McArtan

Scott,

Thanks for the update info.

Brian

From: Scott Childers [mailto:schilders@espassociates.com]
Sent: Tuesday, December 15, 2009 4:29 PM
To: Wootton, Brian
Subject: McArtan

Brian,

Could you please confirm that you received my e-mails today? I have been out of the office most of the day due to a child being sick and out of school. I believe that the information that I sent you should be sufficient unless there is something that I am not understanding. Thanks.

ESP Associates, P.A.
engineering · surveying · planning

Scott Childers, PE
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Direct: 803.835.0882
Mobile: 704.507.2423

Fax: 803.802.2515
schilders@espassociates.com
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Wootton, Brian

From: Scott Childers [schilders@espassociates.com]
Sent: Tuesday, December 15, 2009 4:54 PM
To: Wootton, Brian
Subject: RE: McArtan

I just do not have everything in front of me today, so it would be easier to discuss tomorrow. Please just review the information, and then respond or call me to discuss. Thanks.

From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Tuesday, December 15, 2009 4:46 PM
To: Scott Childers
Subject: RE: McArtan

Scott,

Thanks for the update info.

Brian

From: Scott Childers [mailto:schilders@espassociates.com]
Sent: Tuesday, December 15, 2009 4:29 PM
To: Wootton, Brian
Subject: McArtan

Brian,

Could you please confirm that you received my e-mails today? I have been out of the office most of the day due to a child being sick and out of school. I believe that the information that I sent you should be sufficient unless there is something that I am not understanding. Thanks.

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 Please consider the environment before printing this email.

Wootton, Brian

From: Wootton, Brian
Sent: Tuesday, December 15, 2009 1:34 PM
To: Hammonds, Andrew
Subject: FW: McArtan LCID Renewal

FYI

From: Scott Childers [mailto:schilders@espassociates.com]
Sent: Tuesday, December 15, 2009 12:59 PM
To: Wootton, Brian
Subject: RE: McArtan LCID Renewal

Brian,

Based on discussions with the owner and some other data, I have responses to your comments as below. Please let me know if you need additional information. Thanks.

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? The wells are all old test bores to measure sand depth and water level. These bores/wells are no longer used as this does not appear to be applicable to this LCID. It is my understanding that these test bores were to check what was existing. This is not a sampling well from my understanding.

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? Please see above.

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. It is my understanding that these proposed monitoring were placed on the plans per a previous request.

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. – This earth fill has been placed in certain sections and will need to be placed in other sections as compared to the existing ground elevations on the cross-sections.

For Drawing Sheets 1, 2, and 3, please confirm what the open circle symbols "PP" mean, located on the north side of the property. – These are power pole/telephone pole locations.

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

From: Wootton, Brian [<mailto:brian.wootton@ncdenr.gov>]

Sent: Friday, September 18, 2009 1:13 PM

To: Scott Childers

Subject: FW: McArtan LCID Renewal

Scott,

Your secretary told me that Andre' Mullins is no longer at your company and to contact you.

I am forwarding this e-mail to you, the same one I had sent to Andre' on August 10, 2009.

Brian

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

From: Wootton, Brian

Sent: Monday, August 10, 2009 2:47 PM

To: Andre Mullins

Cc: Hammonds, Andrew

Subject: RE: McArtan LCID Renewal

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.

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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

Solid Waste Section

Division of Waste Management

1646 Mail Service Center

Raleigh, NC 27699-1646

401 Oberlin Road, Suite 150, 27605

tel: 919-508-8524, fax: 919-733-4810

Brian.Wootton@ncdenr.gov<<mailto:Brian.Wootton@ncdenr.gov>>

Please note that email sent to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

=====

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 in 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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Brian.Wootton@ncdenr.gov<<mailto:Brian.Wootton@ncdenr.gov>>

Please note that email sent to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

ESP Associates, P.A.

engineering * surveying * planning

Andre' Mullins, EI

Office: 803.802.2440

Direct: 803.835.0881

Fax: 803.802.2515

amullins@espassociates.com <<mailto:amullins@espassociates.com>>

www.espassociates.com<<http://www.espassociates.com/>>

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P Please consider the environment before printing this email.

ESP Associates, P.A.
engineering · surveying · planning

Scott Childers, PE
Office: 803.802.2440
Direct: 803.835.0882
Mobile: 704.507.2423
Fax: 803.802.2515
schilders@espassociates.com
www.espassociates.com

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By accepting this electronic mail message, the user waives any claim against ESP Associates, P.A., (ESP) and agrees to indemnify and hold ESP harmless from any claim or liability from injury or loss allegedly arising out of the use of information provided by ESP. The user further agrees to compensate ESP for any time spent or expenses incurred by ESP in defense against any such claim in accordance with ESP's prevailing fee schedule and expense reimbursement policy.

Any reproduction or distribution of this information requires written authorization from ESP Associates, P.A.



Please consider the environment before printing this email.

Wootton, Brian

From: Steve Waters [swaters@barnhillcontracting.com]
Sent: Wednesday, December 16, 2009 4:25 PM
To: Brian.Wootton@ncmail.net
Subject: McArtan LCID
Attachments: img-Z161616-0001.pdf

Brian,

I enjoyed talking to you this afternoon. Please find attached a correspondence from Crawford Design answering some questions from Jim Barber back in 2002. Question #6 pertains to two methane monitoring wells. Page #3 also shows where the wells are supposed to be located. I went to the site this afternoon and found well #1. I could not find well #2. The other 4 sites on the drawing from page #3 indicate wells but those were actually auger sites where SM&E drilled to determine the seasonal water level prior to the beginning of dumping at the site.

I have also included a copy of the Permit to Construct that was granted in 2002.

I hope we can get together at the site in early January to get this thing resolved and a renewal permit issued.

Thank you

Steve Waters
Office Manager - Southeast Division

Barnhill Contracting Company
P.O. Box 35376
Fayetteville, N.C. 28303
Phn: (910) 488-1319 Fax: (910) 488-5673 Direct Dial: (910) 829-6261
E-Mail: swaters@barnhillcontracting.com



March 19, 2002

Mr. Jim Barber
NCDENR – Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: McArtan Mine LCID Landfill Permit Application

Dear Mr. Barber,

In response to your letter dated January 11, 2002, and on behalf of Barnhill Contracting Company, owner of above-referenced proposed landfill site, we offer the following comments to address item numbers 1 through 6 (item 7 will be addressed separately by the owner):

Item No. 1: A copy of a portion of a USGS topo map is included with this letter. Note, however, that according to the Harnett County Department of Public Utilities, the area is served with public water.

Item No. 2: Two (2) feet of soil fill is continually being added ahead of the landfill material, to meet or exceed the four-foot separation to seasonal high water requirement. The entire area isn't being filled in at one time to minimize the financial impact to the owner. See attached pictures for reference.

Item No. 3: The site plan has been revised per discussions with Mr. Barber. Changes include the proposed addition of adequate soil fill material to the ditch area to meet or exceed the four-foot separation to seasonal high water requirement. See revised plan.

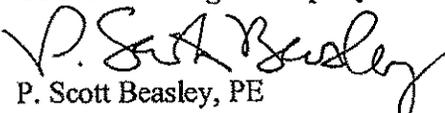
Item No. 4: The pipe has been removed. See revised plan.

Item No. 5: Two 5-year phases have been identified on the revised plan. Cross-sections were revised to reflect the new plan.

Item No. 6: The owner will install two methane monitoring wells north of the disposal area along the SR 2027 right-of-way.

If you have any questions or require additional information, please do not hesitate to call or e-mail (scottbeasley@fayetteville.net).

Sincerely,
Crawford Design Company


P. Scott Beasley, PE
Vice President

Enclosures: Pictures, Five (5) copies each of _____ map and revised landfill plan

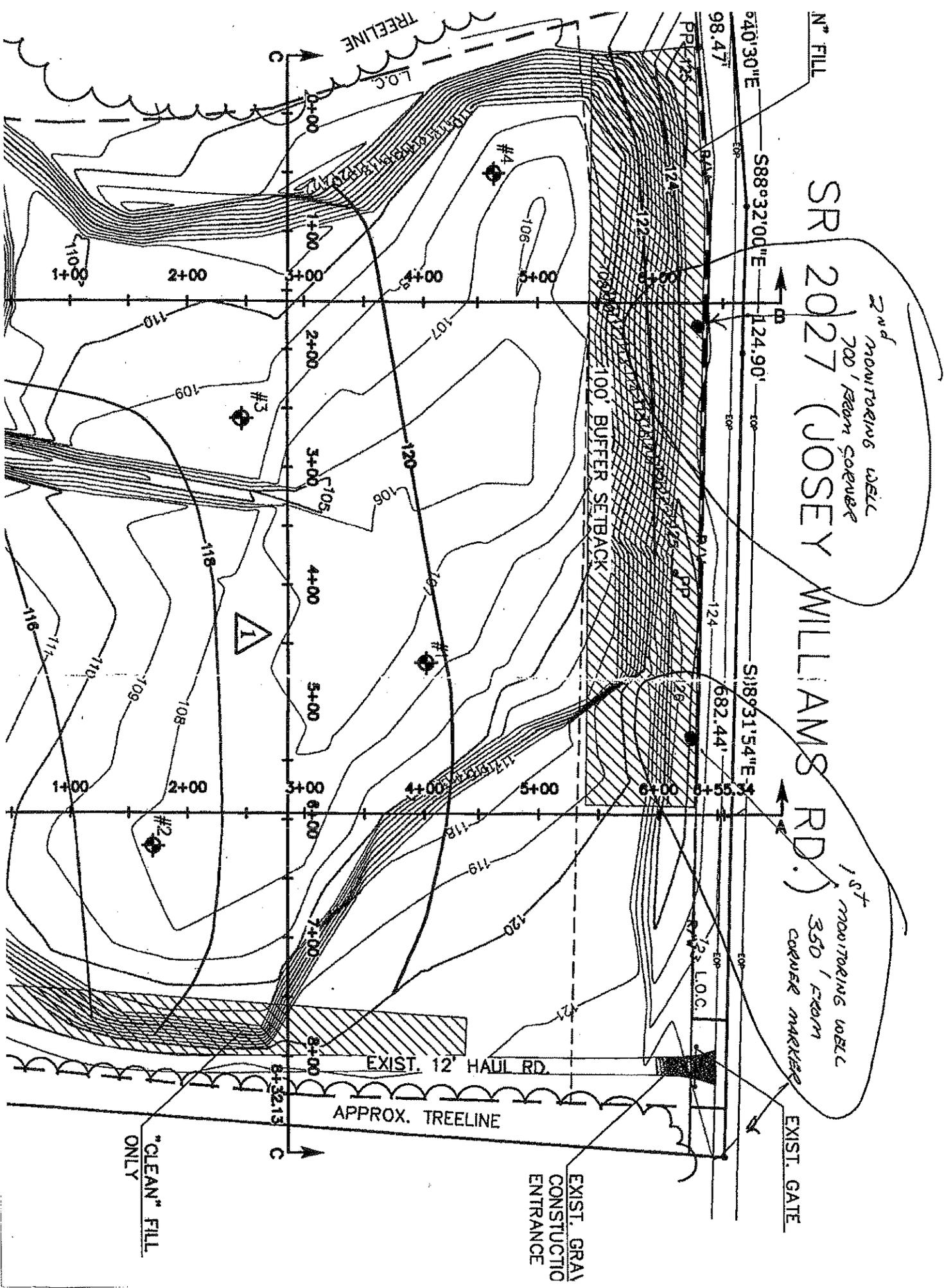




Photo 1: shows the soil shelf that is being pushed out in front of the waste area to achieve the 4' separation to seasonal high groundwater.



Photo 2: shows a wider view of the soil shelf that is being pushed out in front of the waste area to achieve the 4' separation to seasonal high groundwater.



N^o FILL
 SR 2027 (JOSEY WILLIAMS RD.)
 2nd MONITORING WELL
 700' FROM CORNER
 1st MONITORING WELL
 350' FROM
 CORNER MARKER
 EXIST. GATE

EXIST. GRAY
 CONSTRUCTO
 ENTRANCE

"CLEAN" FILL
 ONLY

APPROX. TREELINE

EXIST. 12' HAUL RD.

100' BUFFER SETBACK

540°30"E
 98.47'
 588°32'00"E
 124.90'
 518°31'54"E
 682.44'
 54°13' L.O.C.

TREELINE

C

C

L.O.C.

0+00

1+00

2+00

3+00

4+00

5+00

6+00

7+00

8+00

9+00

10+00

11+00

12+00

13+00

14+00

15+00

16+00

17+00

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1646 MAIL SERVICE CENTER; RALEIGH, N.C. 27699-1646

SOLID WASTE PERMIT

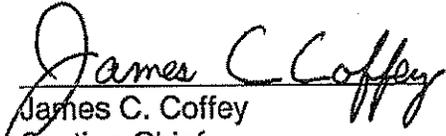
BARNHILL CONTRACTING COMPANY, INC.

is hereby issued a PERMIT TO CONSTRUCT

PHASE I of a

LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

on property located south of Josey Williams Road (N.C.S.R. 2027), in Bunnlevel, Harnett County, North Carolina in accordance with Article 9, Chapter 130A of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description in the permit application and the site drawings.


James C. Coffey
Section Chief
Solid Waste Section
Division of Waste Management

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02
FACILITY NAME: BARNHILL CONTRACTING COMPANY, INC.
LAND CLEARING & INERT DEBRIS LF(phase 1)
BUNNLEVEL, HARNETT COUNTY, N.C..

CONDITIONS OF PERMIT

1. This PERMIT TO CONSTRUCT is issued for the construction of the proposed LAND CLEARING AND INERT DEBRIS LANDFILL (PHASE 1) in accordance with the approved plan sheet C1 dated 15 February 2002 (received as part of the permit submittal document dated 19 March 2002). This permit is for the construction of PHASE I, as shown on sheet C1 , along with any infrastructure that is required by the rules; i.e. gate, sign, access road, and incidental grading of the PHASE I to allow for surface water management .
2. All earth disturbing activities will be conducted in accordance with all federal, state, and local requirements and consistent with the NPDES permits issued from the Division of Water Quality.
3. All sedimentation and erosion control activities shall be conducted in accordance with the Sedimentation Control Act 15A NCAC 4 and consistent with the approved mining permit (26-16) issued by the Division of Land Resources - Land Quality Section.
4. **This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located.** The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Solid Waste Management, within **THIRTY (30)** working days, from date received. Please send the recorded permit copy to:

SOLID WASTE SECTION
225 GREEN STREET; SUITE ~~501~~ 714
FAYETTEVILLE, NORTH CAROLINA 28301
ATTN: JIM BARBER
5. When this property is sold, leased, conveyed, or transferred, the deed or other instrument of transfer shall contain in the deed description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a land clearing and inert debris landfill.

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02
FACILITY NAME: BARNHILL CONTRACTING COMPANY, INC.
LAND CLEARING & INERT DEBRIS LF(phase 1)
BUNNLEVEL, HARNETT COUNTY, N.C..

6. Waste shall be placed a minimum of four (4) feet above the seasonal high water table. Excavation at the site is not planned in accordance with the permit submittal document. Incidental grading can be performed to managed surface water at the site within PHASE I. If grading or borrowing of soils outside of the proposed landfill footprint is necessary, then a as-built drawing can be produced and submitted with the Permit to Operate application.
7. This permit is not transferable.
8. The following requirements shall be met prior to the issuance of the **PERMIT TO OPERATE** and receiving solid waste at the site:
 - a. A site inspection and pre-operative meeting shall be conducted by a representative of the Solid Waste Section.
 - b. A sign shall be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566 (16).
 - c. Survey stakes/posts shall be installed to delineate the limits of PHASE I.
 - d. Certification letter by a register engineer or the project engineer that the required site work was done in accordance with the approved plans and that the separation of four feet to seasonal high groundwater, as shown on the approved plans is consistent with Solid Waste Section Rules.
 - e. Site access controls shall be installed and operational.
 - f. 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.

7620758

STATE OF NORTH CAROLINA
Real Estate Excise Tax
57.50
57.50
3-23-84

FILED
BOOK 768 PAGE 758-761
MAR 23 11 19 AM '84
CLERK L. ROSS
REGISTER OF DEEDS
HARNETT COUNTY, N.C.

Excise Tax Recording Time, Book and Page

Tax Lot No. Parcel Identifier No.
Verified by County on the day of 19
by
Mail after recording to Robert H. Jones, Attorney at Law
P. O. Box 966, Lillington, N. C. 27546
This instrument was prepared by Robert H. Jones, MORGAN, BRYAN, JONES & JOHNSON, Attorneys at Law
Brief description for the Index P. O. Box 966, Lillington, North Carolina 27546

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 20th day of March, 1984, by and between

GRANTOR

GRANTEE

ALVIN R. McARTAN and wife, CHARLOTTE C. McARTAN

CUMBERLAND PAVING COMPANY, a Delaware Corporation
P. O. Box 35376
Fayetteville, North Carolina 28303

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Stewart's Creek Township, Harnett County, North Carolina and more particularly described as follows:

TRACT 5:

That certain tract or parcel of land containing 40.93 acres, lying in Stewart's Creek Township, Harnett County, North Carolina, and bounded as follows: On the North by State Road 2027, on the West by the lands of Ida W. Kilpatrick, on the South by the Lower Little River (Harnett-Cumberland County line), and on the East by the lands of Williams, and more particularly described as follows:

BEGINNING at an iron stake on the northern bank of the Lower Little River at the high water mark, a corner with Ida W. Kilpatrick, and runs thence North 36 degrees 54 minutes 30 seconds East 279.85 feet to an iron stake, another corner with Kilpatrick; thence North 1 degree 49 minutes West 925.62 feet to the center line of State Road 2027 (60' R/W) with an iron stake in the southern margin of the right of way; thence, with the center line of said State Road 2027, North 79 degrees 53 minutes East 257.52 feet to the point of

a curve in said road; thence, continuing as the center line of said road, as a curve to the right, said curve having a radius of 1,478.86 feet, a delta 11 degrees 35 minutes, a tangent 150 feet with an arc distance of 298.97 feet; thence, continuing as the center line of said road, South 88 degrees 32 minutes East 124.9 feet to a corner with Tracts 6 and 7; thence, continuing as the center line of said road and South 88 degrees 32 minutes East 682.41 feet to a point in the center line of said road, a new corner with the Southeast corner of Tract 7, being in the original line; thence, as a common line with Williams and the original line, South 4 degrees 00 minutes 47 seconds West 1,347.55 feet to a concrete monument on the northern bank of the Lower Little River at the high water mark, another corner with Williams; thence up the Lower Little River to the point of BEGINNING, a traverse line, as follows: South 73 degrees 41 minutes 20 seconds West 180.05 feet, South 85 degrees 23 minutes 30 seconds West 185.3 feet, North 79 degrees 00 minutes 30 seconds West 348.6 feet, North 82 degrees 40 minutes 30 seconds West 334.45 feet, South 73 degrees 21 minutes West 143.25 feet, North 57 degrees 58 minutes West 275.5 feet, and being Tract 5 according to survey and plat of Artis P. Spence, dated March 4, 1984 (Revision: 3-9-84) entitled "Property of Alvin McArtan" which plat is recorded in Plat Cabinet 2, Slide 145, Harnett County Registry.

This conveyance is made subject to a Carolina Power and Light Company line easement recorded in Book 437, Page 134; Harnett County Registry, extending in an easterly - westerly direction and running approximately parallel to State Road 2027 extending across the northern portion of the above tract.

This conveyance is also subject to the 60 foot right of way with respect to State Road 2027 recorded in Book 462, Page 37, Harnett County Registry.

It is agreed and understood that no crop allotments pass with this conveyance, all such allotments being reserved to the Grantors.

1984 Harnett County ad valorem taxes will be prorated to the date of closing.

ATTACHMENTS

1. Permit submittal document dated 27 September 2001, with original drawing dated 25 September 2001, received 27 September 2001. Included in this document are the following items;
 - a. Zoning consistency letter dated 10 July 2001
 - b. Mining permit 43-14 issued 7 November 1994
 - c. Site plans, construction and operational
 - d. E&S approval letter dated 10 September 2001
 - e. Harnett County road map
 - f. Ground water determination report dated 24 July 2001
 - g. Warranty deed recorded 23 March 1984
 - h. 100 year floodplain map copy
 - i. Corps of Engineers letter dated 7 September 2001
 - j. Letter from Cultural Resources dated 9 August 2001
 - k. Letter from Natural Heritage Program dated 19 July 2001
2. Completeness review letter dated 11 January 2002.
3. Letter dated 14 March 2002 from Barnhill Contracting.
4. Response letter dated 19 March 2002 with revised site drawing dated 15 February 2002.

CERTIFIED COPY OF SOLID WASTE PERMIT

I do hereby certify that the attached permit is an exact and true copy of Permit Number 43-E.

FOR REGISTRATION REGISTER OF DEEDS
KIMBERLY S. HARGROVE
HARNETT COUNTY, NC
2002 APR 29 02:57:39 PM
BK: 1616 PG: 471-480 FEE: \$38.00
INSTRUMENT # 2002007999

James C Coffey
James C. Coffey
Section Chief
Solid Waste Section
Division of Waste Management

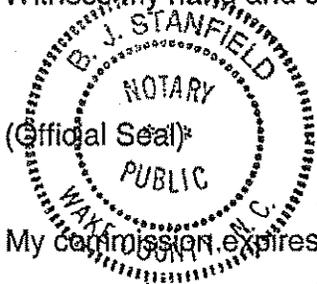
North Carolina

WAKE County

I, B. J. STANFIELD, Notary Public for said County and State, do hereby
certify that JAMES C. COFFEY SECTION CHIEF, SOLID WASTE SECTION, DIVISION OF
MANAGEMENT personally WASTE

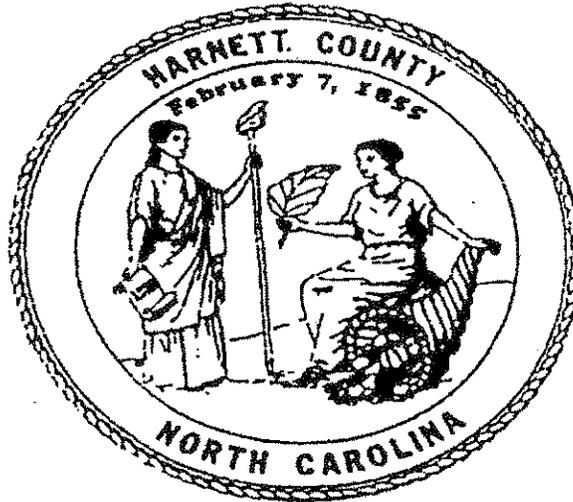
appeared before me this day and acknowledged the due execution of the foregoing
instrument.

Witness my hand and seal, this the 17 day of APRIL, 2002.



B. J. Stanfield
Notary Public

My commission expires DECEMBER 29, 2004.



KIMBERLY S. HARGROVE
REGISTER OF DEEDS, HARNETT
COURTHOUSE
P.O. BOX 279
LILLINGTON, NC 27546

Filed For Registration: 04/29/2002 02:57:39 PM

Book: RE 1616 Page: 471-480

Document No.: 2002007999

PERMIT 10 PGS \$38.00

Recorder: TRACY B TAYLOR

State of North Carolina, County of Harnett

The foregoing certificate of B. J. STANFIELD Notary is certified to be correct. This 29TH of April 2002

KIMBERLY S. HARGROVE , REGISTER OF DEEDS

By: Tracy B. Taylor
Deputy/Assistant Register of Deeds

2002007999

2002007999

ANDREW J. STEIN, JR.

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8729

Wootton, Brian

From: Scott Childers [schilders@espassociates.com]
Sent: Monday, September 21, 2009 8:12 AM
To: Wootton, Brian
Subject: RE: McArtan LCID Renewal

Thanks Brian. I will review this information and contact you to see what we can do to get this approved. I appreciate your e-mail.

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

From: Wootton, Brian [mailto:brian.wootton@ncdenr.gov]
Sent: Friday, September 18, 2009 1:13 PM
To: Scott Childers
Subject: FW: McArtan LCID Renewal

Scott,

Your secretary told me that Andre' Mullins is no longer at your company and to contact you. I am forwarding this e-mail to you, the same one I had sent to Andre' on August 10, 2009.

Brian

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

From: Wootton, Brian
Sent: Monday, August 10, 2009 2:47 PM
To: Andre Mullins
Cc: Hammonds, Andrew
Subject: RE: McArtan LCID Renewal

Andre,

8725 - R.F. 8723

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
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
401 Oberlin Road, Suite 150, 27605
tel: 919-508-8524, fax: 919-733-4810
Brian.Wootton@ncdenr.gov<mailto:Brian.Wootton@ncdenr.gov>

Please note that email sent to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

=====
=====

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,

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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',

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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

Solid Waste Section

Division of Waste Management

1646 Mail Service Center

Raleigh, NC 27699-1646

401 Oberlin Road, Suite 150, 27605

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8725

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
Solid Waste Section
Division of Waste Management
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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

Solid Waste Section

Division of Waste Management

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Andre Mullins

From: Wootton, Brian [brian.wootton@ncdenr.gov]
Sent: Tuesday, July 21, 2009 3:05 PM
To: Andre Mullins
Cc: andrew.hammonds@ncmail.net
Subject: McArtan LCID Renewal
Follow Up Flag: Follow up
Due By: Wednesday, July 22, 2009 12:30 AM
Flag Status: Red

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:
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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

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8/5/2009