

9601-MSWLF-1981

OPERATION/CONSTRUCTION QA/QC

CIVIL/SANITARY ENGINEERS

**Municipal
Services**



**Engineering
Company, P.A.**

Fac/Permi/CS ID #	Date	Doc ID#
96-01	7/24/12	
	DIN	

May 28, 2007

Bradley Bailey
 Solid Waste Section
 Division of Waste Management
 North Carolina Department of Environment and Natural Resources
 401 Oberlin Road, Suite 150
 Raleigh, NC 27605



Re: Wayne County Water Supply Well
 Permit No. 96-01

Mr. Bailey,

This letter is to inform you that the water supply well located at the shop was decommissioned as a water supply well. Wayne County has removed the pump and connecting pipe network. The well is in a prime location and constructed such that it can be used to assess water quality of the lower confined aquifer. The well will become part of the monitoring network. It should be noted that it is not warranted to become part of the semi-annual sampling, since there is no indication that the confined aquifer has been impacted; rather, the well will be sampled periodically dependent on sampling results of the monitoring wells or any other indication of deep aquifer impact. Attached in the well construction record.

If you have any questions, please feel free to contact me at (919) 772-5393.

Sincerely,

MUNICIPAL ENGINEERING SERVICES CO., P.A.

Ethan J. Caldwell, PG

Enclosures

cc: Jaclynne Drummond, NCDENR Solid Waste Section
 Tim Rogers, Wayne County

Date	6-30-97	# of pages	1
To	Tom Rossbach		
From	LLOYD COOK		
Co./Dept.	M. E.		
Co.	WCSU		
Phone #	Phone #		
Fax #	Fax #		

DEVELOPMENT
TION

FOR OFFICE USE ONLY

Quad. No. _____ Serial No. _____
 Lat. _____ Long. _____ Pc _____
 Minor Basin _____
 Basin Code _____
 Header Ent. _____ GW-1 Ent. _____

DRILLING CONTRACTOR Ralph Loubong
 DRILLER REGISTRATION NUMBER 720

STATE WELL CONSTRUCTION
 PERMIT NUMBER: _____

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Dudley

County: Wayne

(Road, Community, or Subdivision and Lot No.)

2. OWNER _____

ADDRESS _____
 (Street or Route No.)

City or Town _____ State _____ Zip Code _____

3. DATE DRILLED 8-29-90 USE OF WELL washing

4. TOTAL DEPTH 90' CUTTINGS COLLECTED Yes No

5. DOES WELL REPLACE EXISTING WELL? Yes No

6. STATIC WATER LEVEL: 20' FT. above TOP OF CASING,
 TOP OF CASING IS 18" FT. ABOVE LAND SURFACE.

7. YIELD (gpm): 10 METHOD OF TEST pump

WATER ZONES (depth): _____

9. CHLORINATION: Type pill Amount 6

10. CASING:

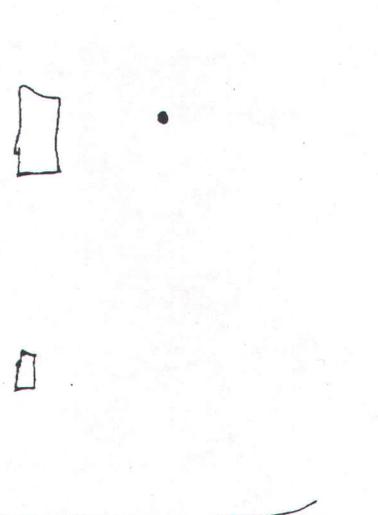
From	Depth	To	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>75'</u>	To <u>80'</u>	Ft. <u>2"</u>	<u>140</u>	<u>PRC</u>	
From _____	To _____	Ft. _____	_____	_____	
From _____	To _____	Ft. _____	_____	_____	

Depth		DRILLING LOG
From	To	Formation Description
<u>0</u>	<u>5'</u>	<u>sand</u>
<u>5</u>	<u>20</u>	<u>sand & clay</u>
<u>20</u>	<u>48'</u>	<u>clay</u>
<u>40</u>	<u>80'</u>	<u>sand & water</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)



11. GROUT:

From	Depth	To	Material	Method
From <u>0</u>	To <u>20'</u>	Ft. <u>portland</u>	<u>portland</u>	<u>pouring</u>
From _____	To _____	Ft. _____	_____	_____

12. SCREEN:

From	Depth	To	Diameter	Slot Size	Material
From <u>75'</u>	To <u>80'</u>	Ft. <u>2"</u>	<u>in. 1/16</u>	<u>in. 1/16</u>	<u>PRC</u>
From _____	To _____	Ft. _____	_____	_____	_____
From _____	To _____	Ft. _____	_____	_____	_____

13. GRAVEL PACK:

From	Depth	To	Size	Material
From <u>75'</u>	To <u>80'</u>	Ft. <u>2"</u>	<u>20 mesh</u>	<u>Rock</u>
From _____	To _____	Ft. _____	_____	_____

REMARKS: _____

SR 1127

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Ralph Loubong
 SIGNATURE OF CONTRACTOR OR AGENT

9-10-90
 DATE



- NOTES**
1. ARCHAEOLOGICAL SITE 31W425 WILL BE DISTURBED DURING PHASE 2 CONSTRUCTION.
 2. ARCHAEOLOGICAL SITE 31W429 WILL NOT BE DISTURBED.

- LEGEND**
- EXISTING CONTOURS
 - PROPERTY LINE
 - EXISTING ROAD
 - WATER
 - MONITORING WELL LOCATION
 - SURFACE WATER MONITORING LOCATION
 - EXISTING MSWLF SANITARY UNIT
 - 300' BUFFER ZONE
 - ARCHAEOLOGICAL SITES
 - WETLANDS

Wayne Co. Closed Landfill
February 6, 2007

WELL #	TOP OF PIPE ELEVATION	DEPTH TO WATER (FT)	WATER ELEVATION
W101	157.3	4.8	152.5
W102	155.2	5.8	149.4
W103	152.3	5.8	146.5
W104	148.5	4.5	144.0
W105	142.5	4.5	138.0
W106	137.8	17.3	120.5

DATE	BY	REV.	DESCRIPTION
2-13-07	DIG	1	CHANGE BUFFER TERMINOLOGY
2-14-07	DIG	2	MODIFY PER PHASE 1 CHANGES

SCALE: 1"=200'

PROJECT NUMBER: 001016.0

POTENTIOMETRIC MAP WITH FLOW DIRECTIONS

MUNICIPAL SOLID WASTE LANDFILL FACILITY WAYNE COUNTY NORTH CAROLINA

Municipal Services Engineering Company, P.A.

P.O. BOX 87 GARNER, N.C. 27839 (919) 772-5393

P.O. BOX 349 BOONE, N.C. 28607 (704) 282-787