



February 7, 2013

Mr. Ervin Lane,
Solid Waste Section
Division of Waste Management
NCDENR
1646 Mail Service Center
Raleigh, North Carolina 27699-1646



**Subject: City of Albemarle Landfill
Abandonment of MW-8
DSWM Permit No. 84-01
Shield Project 1110192**

Dear Mr. Lane:

Monitoring Well MW-8 located at the City of Albemarle Landfill was installed in October 1994 as part of the original monitoring network. Both the boring log for this monitoring well and the well construction record are included for your information. Since the installation of Monitoring Well MW-8, this well has been chronically dry for some time. So much so, that prior to the groundwater sampling event in July 2007, a replacement monitoring well (MW-8D) was installed adjacent to Monitoring Well MW-8 in June 2007. The purpose of this new Monitoring Well MW-8D (i.e., replacement well for MW-8) was outlined on the first page of the semi-annual Groundwater Report for the July 2007 sampling event. Since then, this previous monitoring well (MW-8) has continued to be dry. Additionally, since it has been dry there are no available water quality data for this well.

Based on the above, Monitoring Well MW-8 serves no useful purpose and the City of Albemarle requests permission to abandon this well.

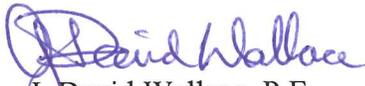
We appreciate your consideration of this matter and look forward to receiving a positive response for the abandonment of this well.

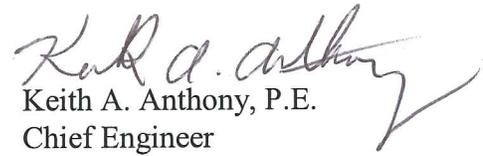


February 7, 2013

If you should have any questions please do not hesitate to contact David Wallace either by e-mail at dwallace@shieldengineering.com or by phone at 704-394-6913.

Sincerely,
SHIELD ENGINEERING, INC.


J. David Wallace, P.E.
Senior Engineer


Keith A. Anthony, P.E.
Chief Engineer

JDW/KAA

cc: Mr. Mike E. Lambert, Public Works Director
Ms. Nina Underwood, Assistant Public Works Director
Mr. Darren Preslar, Landfill Superintendent

FOR OFFICE USE ONLY	
QUAD NO.	SERIAL NO.
Lat.	Long.
Minor Basin	FO
Basin Code	
Header Ent.	GW-1 Ent.

WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR: GAI Consultants

DRILLER REGISTRATION NUMBER: 446

STATE WELL CONSTRUCTION PERMIT NUMBER: N/A

1. WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Albemarle County: Stanly
SR 1720
 (Road, Community, or Subdivision and Lot No.)

2. OWNER City of Albemarle
 ADDRESS Attn: James Coble PO Box 190
Albemarle NC 28001
 City or Town State Zip Code

DEPTH	
From	To
0	22.5
22.5	37.5

DRILLING LOG
 Formation Description
 Yellow brown mudstone,
 thin bedded, fractured
 slightly weathered

3. DATE DRILLED 9-8-94 USE OF WELL Monitoring
 4. TOTAL DEPTH 37.5
 5. CUTTINGS COLLECTED YES NO
 6. DOES WELL REPLACE EXISTING WELL? YES NO
 7. STATIC WATER LEVEL Below Top of Casing: 29.64 FT.
 (Use "*" if Above Top of Casing)
 8. TOP OF CASING IS 2.00 FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): N/A METHOD OF TEST _____
 10. WATER ZONES (depth): 23 - 37.5

11. CHLORINATION: Type N/A Amount _____

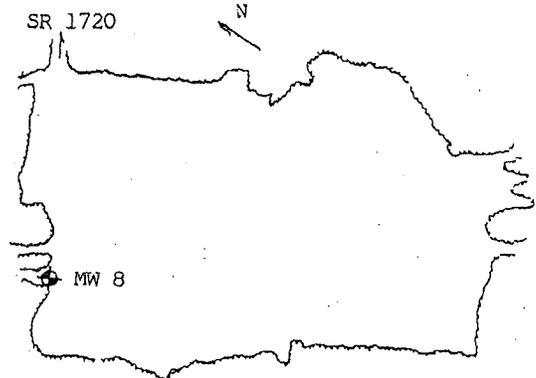
If additional space is needed use back of form

12. CASING:

From	Depth	To	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>+2.00</u>	Depth <u>20.5</u>	To <u>20.5</u>	Ft. <u>2"</u>	<u>Sch 40</u>	<u>PVC</u>
From _____	To _____	Ft. _____	_____	_____	_____
From _____	To _____	Ft. _____	_____	_____	_____

LOCATION SKETCH

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



13. GROUT:

From	Depth	To	Material	Method
From <u>0</u>	Depth <u>17.0</u>	To <u>17.0</u>	Ft. <u>cement</u>	<u>tremie</u>
From <u>17.0</u>	To <u>19.0</u>	Ft. <u>bentonite</u>	<u>pellets</u>	

14. SCREEN:

From	Depth	To	Diameter	Slot Size	Material
From <u>20.5</u>	Depth <u>35.5</u>	To <u>35.5</u>	Ft. <u>2</u>	in. <u>.010</u>	in. <u>PVC</u>
From _____	To _____	Ft. _____	_____	_____	_____
From _____	To _____	Ft. _____	_____	_____	_____

15. SAND/GRAVEL PACK:

From	Depth	To	Size	Material
From <u>19.0</u>	Depth <u>37.5</u>	To <u>37.5</u>	Ft. <u>filter</u>	<u>sand</u>
From _____	To _____	Ft. _____	_____	_____

REMARKS: Monitoring Well 8

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

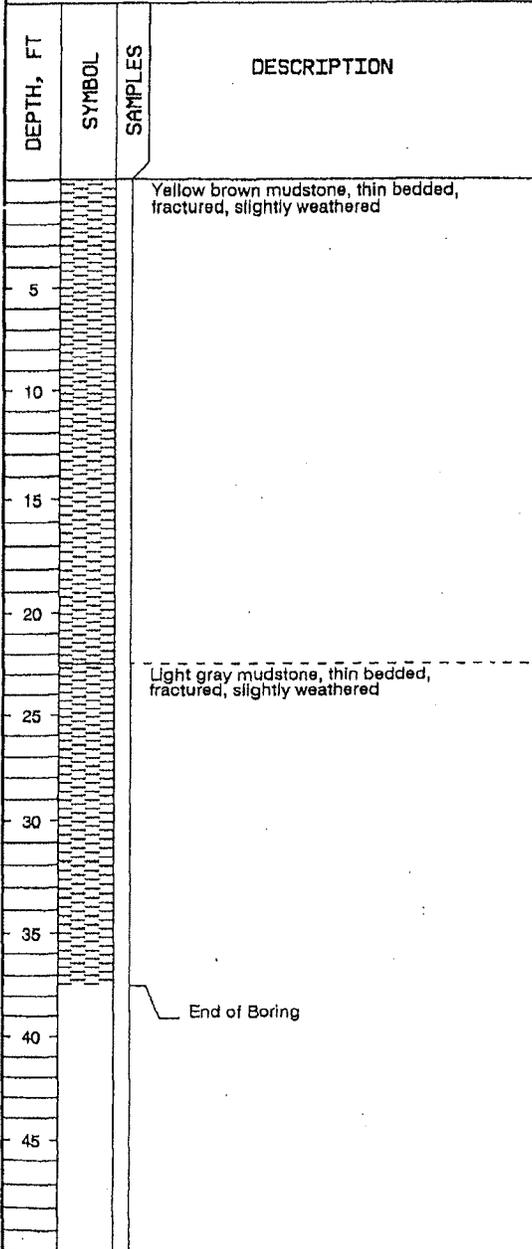
Edward J. Tustin Jr.

10/5/94

SIGNATURE OF CONTRACTOR OR AGENT DATE
 Submit original to Division of Environmental Management and copy to well owner

MONITORING WELL 8

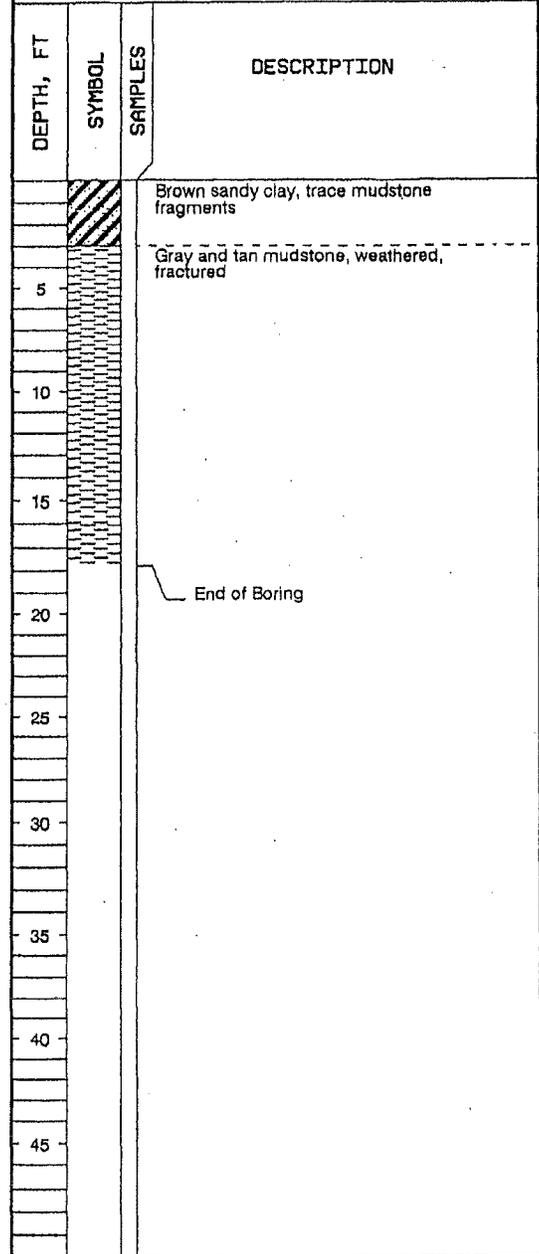
PROJECT: Albemarle Landfill
 Albemarle, North Carolina
 LOCATION: see Landfill Plans



COMPLETION DEPTH: 37.5 ft DATE: 9-8-94
 DEPTH TO WATER: 33.5 ft after drilling, 27.6 ft after 24 hrs

MONITORING WELL 9

PROJECT: Albemarle Landfill
 Albemarle, North Carolina
 LOCATION: see Landfill Plans



COMPLETION DEPTH: 17.8 ft DATE: 9-8-94
 DEPTH TO WATER: 1.6 ft after drilling, 2.6 ft after 24 hrs