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February 20, 2012

Ms. Christine Ritter, P.G.  
NCDENR, Solid Waste Section  
1646 Mail Service Center  
Raleigh, NC 27699

RE: Response to Interim Regional Landfill Gas Issues  
Coastal Regional Solid Waste Management Authority  
Permit No. 25-04  
JEI Project No. 618.1102.11, Task 02

Dear Christine:

Joyce Engineering, Inc. is submitting this letter on behalf of the Coastal Regional Solid Waste Management Authority (CRSWMA) to notify the Section that the proposed new landfill gas boundary probe (GP-08) has been installed. Attached please find the driller's well record and the location map. The GP-08 will be included in the revised gas monitoring plan.

If you have comments about this probe installation, please contact me at your convenience by telephone 336-790-2252 or email [hannu@joyceengineering.com](mailto:hannu@joyceengineering.com).

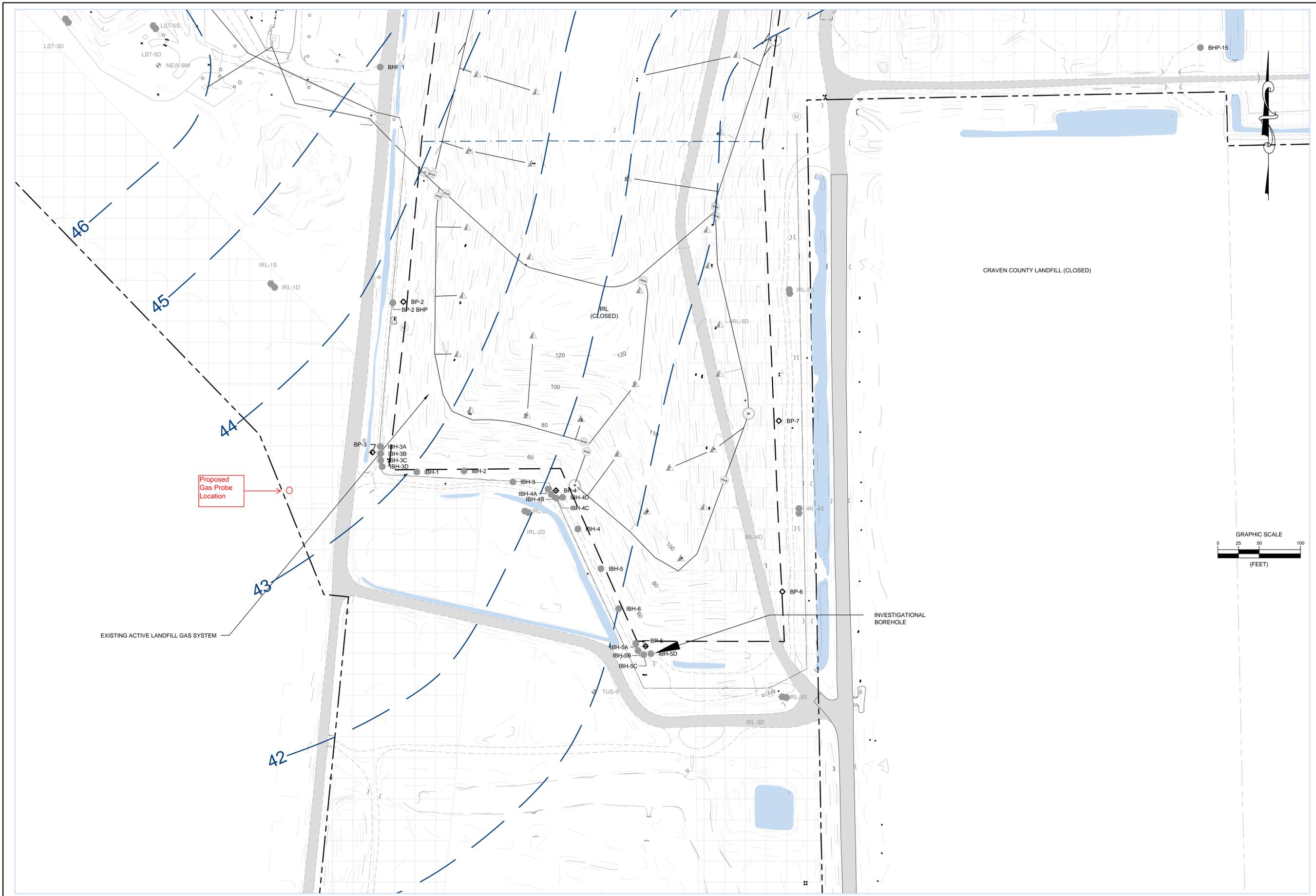
Sincerely,  
**JOYCE ENGINEERING, INC.**

Hannu Kemppinen, P.G.  
Senior Project Consultant

C: Bobby Darden and David Warmack, CRSWMA  
Ming-Tai Chao, Solid Waste Section, DENR  
Jeremey Kerly, Joyce Engineering, Inc.

Attachments





<b>CRSWMA - TUSCARORA LANDFILL</b> <b>CRAVEN COUNTY, NORTH CAROLINA</b>		<b>ENGINEERING, INC.</b> 2211 W. MEADOWVIEW ROAD GREENSBORO, NC 27407 PHONE: (336) 323-0092 NC CORP. LIC. C-0782		DESIGNED: CTM DRAWN: CTM CHECKED: HKK APPROVED: HKK DATE: 09/24/11	REVISIONS AND RECORD OF ISSUE NO. BY CK APP DATE
<b>PROJECT NO.</b> 618.0900.11		<b>SCALE</b> AS SHOWN			
<b>DRAWING NO.</b>					

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# NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 4108-B

### 1. WELL CONTRACTOR:

William Kicker  
 Well Contractor (Individual) Name  
Mad Dawg inc  
 Well Contractor Company Name  
1006 Camp Creek rd.  
 Street Address  
Ironstation NC 28080  
 City or Town State Zip Code  
(704) 732 0213  
 Area code Phone number

### 2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# N/A  
 OTHER ASSOCIATED PERMIT#(if applicable) N/A  
 SITE WELL ID #(if applicable) GP-8

### 3. WELL USE (Check One Box) Monitoring Municipal/Public

Industrial/Commercial  Agricultural  Recovery  Injection

Irrigation  Other  (list use) Vapor/Gas Probe

DATE DRILLED 2-17-12

### 4. WELL LOCATION:

7400 Old Hwy 70 West  
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: New Bern COUNTY Craven

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

Slope  Valley  Flat  Ridge  Other

LATITUDE 35° 10' 458" DMS OR 3x.xxxxxxxx DD

LONGITUDE 77° 13' 947" DMS OR 7x.xxxxxxxx DD

Latitude/longitude source:  GPS  Topographic map

(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

### 5. FACILITY (Name of the business where the well is located.)

Tuscarora Land Fill  
Facility Name Facility ID# (if applicable)

7400 Old Hwy 70 West  
Street Address

New Bern NC 28562  
City or Town State Zip Code

Pat Grogan  
Contact Name

2211 W. Meadowview rd suite 101  
Mailing Address

Greensboro NC 27407  
City or Town State Zip Code

(336) 944-5392  
Area code Phone number

### 6. WELL DETAILS:

a. TOTAL DEPTH: 7'

b. DOES WELL REPLACE EXISTING WELL? YES  NO

c. WATER LEVEL Below Top of Casing: N/A FT.  
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS +3' FT. Above Land Surface\*  
\*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): N/A METHOD OF TEST \_\_\_\_\_

f. DISINFECTION: Type N/A Amount \_\_\_\_\_

g. WATER ZONES (depth):  
 Top N/A Bottom \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_  
 Top \_\_\_\_\_ Bottom \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_  
 Top \_\_\_\_\_ Bottom \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_

7. CASING: Depth	Diameter	Thickness/Weight	Material
Top <u>+3</u> Bottom <u>2'</u> Ft.	<u>2"</u>	<u>Sch 40</u>	<u>PVC</u>
Top _____ Bottom _____ Ft.	_____	_____	_____
Top _____ Bottom _____ Ft.	_____	_____	_____

8. GROUT: Depth	Material	Method
Top <u>0'</u> Bottom <u>6"</u> Ft.	<u>Portland</u>	<u>Pour</u>
Top <u>6"</u> Bottom <u>1'6"</u> Ft.	<u>Bentonite</u>	<u>Pour</u>
Top _____ Bottom _____ Ft.	_____	_____

9. SCREEN: Depth	Diameter	Slot Size	Material
Top <u>2'</u> Bottom <u>7'</u> Ft.	<u>2" in.</u>	<u>.010 in.</u>	<u>PVC</u>
Top _____ Bottom _____ Ft.	_____ in.	_____ in.	_____
Top _____ Bottom _____ Ft.	_____ in.	_____ in.	_____

10. SAND/GRAVEL PACK: Depth	Size	Material
Top <u>1'6"</u> Bottom <u>7'</u> Ft.	<u>#2</u>	<u>Silica</u>
Top _____ Bottom _____ Ft.	_____	_____
Top _____ Bottom _____ Ft.	_____	_____

11. DRILLING LOG	Formation Description
Top _____ Bottom <u>0' - 7'</u>	<u>Sandy Clay</u>
Top _____ Bottom _____	_____

12. REMARKS:

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.

William Kicker 2-18-12  
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

William Kicker  
PRINTED NAME OF PERSON CONSTRUCTING THE WELL