



2211 W. Meadowview Rd., #101  
Greensboro, NC 27409  
tel: 336/323-0092  
fax: 336/323-0093  
[www.JoyceEngineering.com](http://www.JoyceEngineering.com)

December 14, 2011

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 of the intent to install a new landfill gas boundary probe. In the spring of this year, we proposed to investigate elevated methane levels in the existing interim regional landfill (IRL) boundary probes during the construction of the phase 3 landfill expansion. Temporary probes were installed in the vicinity of the existing probes with the intent of finding preferential migration pathways for methane from the IRL. Monitoring of the new probes during the regular gas monitoring events this past summer and fall returned non-conclusive results. Readings showed that detections were sporadic in nature with various locations either showing inconsistently elevated readings or no detections at all.

The Solid Waste Authority decided to discontinue the gas migration study and rather install a new gas probe at the property boundary nearest to the IRL. The attached map shows the proposed location for the new gas probe southwest of the existing GP-3. The proposed gas probe is planned to meet the requirements of the Rule .1626(4). The probe installation will be conducted in accordance the Landfill Gas Monitoring Guidance Document, October 2010 provided by the Solid Waste Section.

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

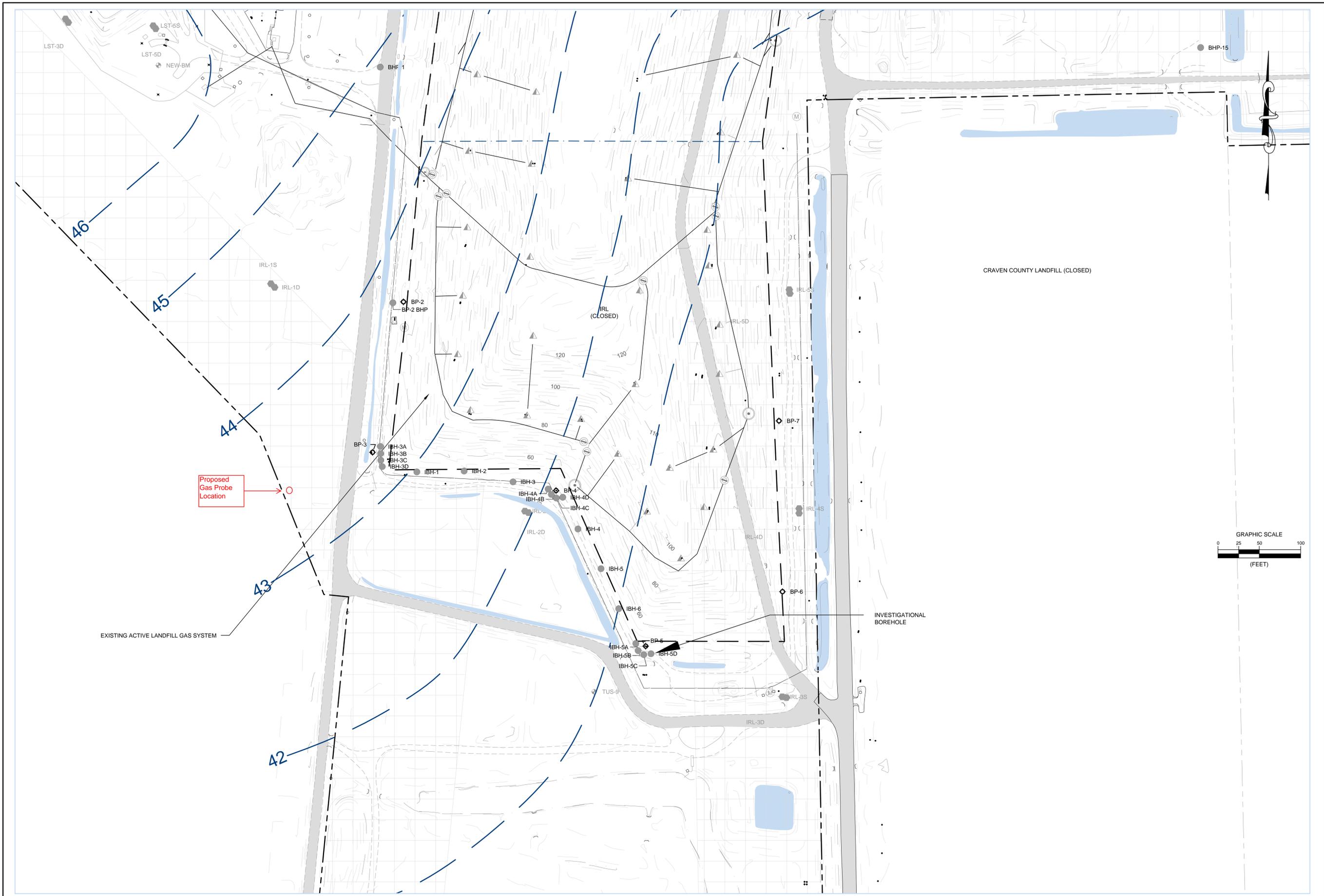
Sincerely,  
**JOYCE ENGINEERING, INC.**

A handwritten signature in blue ink that reads "Hannu Kemppinen".

Hannu Kemppinen, P.G.  
Senior Project Consultant

C: Bobby Darden and David Warmack, CRSWMA

Enclosure



<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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