



REPLY TO  
ATTENTION OF:

## DEPARTMENT OF THE ARMY

SAVANNAH DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 889  
SAVANNAH, GEORGIA 31402-0889

September 11, 2012

Environmental and Interagency and International  
Services Management Branch

Directorate of Public Works  
Environmental Division  
Attn: IMSE-BRG-PWE-C ( Sid Williamson)  
Bldg. 3-1137 Butner Road  
Fort Bragg, NC 28310

SUBJECT: Landfill Gas Lower Explosive Limit Exceedances Fort Bragg Longstreet Road  
Landfill, Permit #26-02, Fort Bragg, North Carolina.

Dear Mr. Williamson:

Lower explosive limit exceedances have persisted in multiple landfill gas monitoring wells surrounding the subject facility. The North Carolina Department of Environment and Natural Resources (NCDENR) Division of Waste Management notified Fort Bragg that although there are currently no exceedances at the property boundary, the extent of landfill gas migration must be determined. The U.S. Army Corps of Engineers, Savannah District has completed a review of the landfill gas monitoring wells that routinely exceed the methane standard and proposes to install landfill gas monitoring wells at the 10 locations identified in Figure 1.

The methane monitoring wells will be constructed of 2-inch polyvinyl chloride (PVC) and will be installed in accordance with the NCDENR Division of Waste Management Solid Waste Section *Landfill Gas Monitoring Guidance* dated November 2010 and the approved methane monitoring plan. Should the proposed locations not completely delineate the extent of the methane migration, additional wells will be proposed for installation. Once delineation of the methane migration is complete, the new wells will be incorporated into the methane monitoring plan and any unused gas monitoring wells will be abandoned in accordance with NCDENR guidelines.

Please feel free to contact the undersigned at (912) 652-6167 or Kevin Haborak at (912) 652-6083 should you have any questions on this matter.

Sincerely

A handwritten signature in black ink that reads "Zainul Kidwai".

Zainul Kidwai, P.G.  
Project Manager

Enclosure

CF:

CESAS-PM-H (Project File)

CESAS-EN-GH (Haborak)



- P PROPOSED METHANE SAMPLE
- M METHANE SAMPLE
- ~ STREAM
- BUILDING
- ROAD
- TRAIL



U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
SAVANNAH, GEORGIA

**PROPOSED METHANE SAMPLING LOCATIONS**

**LONGSTREET LANDFILL  
FT. BRAGG, NC**

FACILITY	%METHANE	%OXYGEN
Washrack Bldg.	0.0	21.4
Bldg O-9389	0.0	21.4
Bldg O-9388	0.0	21.4
Former Scalehouse	0.0	21.1

Note:  
 TOC – Top of casing  
 btoc – Below top of casing  
 NA – Not Available  
 bgs – Below ground surface  
 amsl – Above mean sea level  
 D --- Selected Well for Long Term Monitoring  
 TOC elevation is based on vertical datum NGVD29 (source: USGS RFI, Aug. 1999)