



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 C&D Landfill, Permit
#26-08, Fort Bragg, North Carolina.

Dear Mr. Williamson:

Lower explosive limit exceedances have persisted at gas monitoring well GP-13 at 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 well data and proposes to install landfill an additional gas monitoring well at the location identified on Figure 1.

The methane monitoring well 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 location 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 well 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

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**

**LAMONT STREET LANDFILL
FT. BRAGG, NC**

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)

	% Methane	%Oxygen
Scale house	0.0%	21.3%
Office	0.0%	21.3%
O-3533	0.0%	21.2%