

**From:** [Keith Huff](#)  
**To:** [Qi, Qu](#); [Marks, Cheryl](#)  
**Cc:** [Daphne Jones](#); [Ben Rowe](#); [Greg Turner](#); [Ron Hargrove](#); [James T. Mitchell](#); [ledezmar@wssu.edu](mailto:ledezmar@wssu.edu); [joan@smithgardnerinc.com](mailto:joan@smithgardnerinc.com); [Charles Norton](#)  
**Subject:** Fwd: Landfill Gas Detection - Action Required  
**Date:** Friday, May 29, 2015 12:38:45 PM  
**Attachments:** [DRAFT WSSU Soil Gas Survey 5-28-15.pdf](#)  
[ATT00001.htm](#)

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Good afternoon Qu Qi and Cheryl,

The City is partnering with Winston Salem State University to conduct an environmental study at Bowman Gray Stadium. Please see the forwarded information regarding a recently discovered methane gas detections at this location.

The purpose of this email is notify IHSB of this discovery and seek guidance as to next steps to address these methane gas concentrations (I notified both of you because I didn't know who would take the lead).

When possible, please advise of next steps needed to move forward.

Thank you,

Keith Huff  
City of Winston-Salem  
336-747-6962

Sent from my iPhone

Begin forwarded message:

**From:** Daphne Jones <[daphne@dunckleedunham.com](mailto:daphne@dunckleedunham.com)>  
**Date:** May 29, 2015 at 11:43:56 AM EDT  
**To:** <[keithh1@cityofws.org](mailto:keithh1@cityofws.org)>  
**Cc:** 'Joan Smyth' <[joan@smithgardnerinc.com](mailto:joan@smithgardnerinc.com)>, 'Ben Rowe' <[ben@cityofws.org](mailto:ben@cityofws.org)>, "'James T. Mitchell'" <[jamestm@cityofws.org](mailto:jamestm@cityofws.org)>, "'Ledezma, Rosalba A.'" <[ledezmar@wssu.edu](mailto:ledezmar@wssu.edu)>, 'Keith Hamby' <[keithh@cityofws.org](mailto:keithh@cityofws.org)>  
**Subject:** FW:

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**From:** Joan Smyth [<mailto:joan@smithgardnerinc.com>]  
**Sent:** Friday, May 29, 2015 11:15 AM  
**To:** Keith Hamby; Ben Rowe; James T. Mitchell; Ledezma, Rosalba A.  
**Cc:** Daphne Jones  
**Subject:** Landfill Gas Detection - Action Required  
**Importance:** High

All –

Attached is a draft map depicting the landfill gas (specifically methane) readings we took yesterday during our soil gas survey at the Bowman Gray Stadium property. Please note the probe location to the south of the field that is east of MLK Jr. Blvd. This probe location exhibited 40% methane and is located near the property line. You can see a building located just south of this location on the aerial photo.

**The reading of 40% methane is well above the regulatory limit of 100% of the lower explosive limit (LEL) at the property line** (5% methane is equal to 100% of the LEL). I suggest this information be reported to the Inactive Hazardous Sites branch today, and that steps be taken to evaluate potential landfill gas concentrations in the building immediately to the south. Additionally, any storm sewers in this area should also be investigated for potential landfill gas.

Our crew will be back at the site on Monday to complete the remaining locations for the soil gas survey, and can assist with this as needed. Please let us know how you would like to proceed.

Thank you.

**Joan A. Smyth, P.G.**  
Senior Hydrogeologist

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