From: Donna Pallister [donna.pallister@lfr.com]
Sent: Wednesday, March 28, 2007 9:37 AM
To: Jeffrey Crawford
Subject: RE: Springfield Street

Jeff,

Based on the consistency of the readings across the whole site, and the fact that the carbon dioxide readings had decreased, it seems unlikely that methane is being generated at the site. The readings were generally right at the instrument lower detection limit, so there may have been an issue with the zeroing of the instrument during the soil gas monitoring. The carbon dioxide and oxygen concentrations indicate that conditions are aerobic, and all the literature indicates that methane will not be generated until a landfill system goes anaerobic. If we see similar conditions during the next round of monitoring, we will cross check with a second meter. We didn't detect any unusual VOC readings via PID or the soil gas laboratory analysis that would indicate the presence of something that might interfere with the LEL reading.

Other possible sources methane would be a gas line break, or the NBC sewer line that passes through the middle of the property, but I think we would see high readings in some areas closer to the source if that was the case.

We will evaluate again after the next round of results to see if these results are repeated.

Donna

From: Jeffrey Crawford [mailto:jeff.crawford@DEM.RI.GOV]
Sent: Wednesday, March 28, 2007 8:44 AM
To: Donna Pallister (E-mail)
Subject: Springfield Street

Donna- Thank you for the report. Any thoughts on the increase in methane detections? Jeff

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