

From: Pallister, Donna [mailto:Donna.Pallister@arcadis-us.com]
Sent: Wednesday, March 26, 2014 2:28 PM
To: Crawford, Jeffrey (DEM)
Subject: Springfield St Soil Methane Results

Jeff,

We did the Springfield Street School quarterly monitoring and noted exceedances of the methane action level in two soil gas wells, as noted below in the table (initial measurements were performed on 3/21, then we rechecked soil gas wells on the north end of the property on 3/24. These wells are located on the northern end of the property, adjacent to Hartford Avenue and the middle school parking lot. We plan to monitor these two wells and adjacent wells again on Friday 3/28 to determine if the condition is persistent and to investigate for possible causes.

Indoor air monitoring was conducted on 3/19 and no methane was detected in the building. The subslab soil gas extraction system was monitored on 3/24 and no methane was detected in soil gas. The carbon dioxide levels in the soil gas collected at the sub slab system ranged from 0.1 to 0.3 ppm, which is consistent with previous monitoring events.

Date	Well ID	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Carbon Monoxide (ppm)	Hydrogen Sulfide (ppm)	VOC's (ppm)
3/21/14	MPL 6	0.0	6.2	7.9	0	0	0.0
3/24/14	MPL6	3.1	8.4	0.3	0	0	0.0
3/21/14	MPL7	1.8	7.7	0.5	0	0	0.0
3/24/14	MPL7	0.4	7.8	3.9	0	0	0.0
Action Levels		0.5	0.1	NA	9	5	5

Please let me know if you have any questions.

Thank you,
 Donna

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