

Table 1
Percent (%) Methane Gas Levels
Sorrell Landfill, Apex, NC
S&ME Project Number 1054-07-251

Permanent Methane Monitoring Wells & Structures								Groundwater Monitoring Wells							Temporary Methane Monitoring Points							
DATE	OFFICE	MMW-2	MMW-3	MMW-4	MMW-4H	MMW-5	MMW-6	MW-1R	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9*	DW-1	MMW-2A	MMW-2B	MMW-2C	MMW-4D	MMW-4E	MMW-4F	MMW-4G
Percent Methane (% CH ₄)																						
4/21/06	NM	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-	0.1	0.1	0.1	0.7	0.0	2.0	0.0	0.0
5/30/06	NM	0.2	0.2	0.2	0.1	1.0	0.3	0.1	0.1	0.0	0.0	0.0	0.2	-	0.2	0.2	0.2	0.1	0.3	4.5	0.2	0.2
6/30/06	NM	5.5	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-	0.1	0.0	0.2	0.1	0.1	0.8	0.0	0.0
7/12/06	NM	0.3	0.0	0.0	NM	0.7	NM	0.0	0.0	0.0	0.0	0.0	0	-	0.0	NM	NM	NM	NM	NM	NM	NM
8/22/06	NM	0.0	0.0	0.0	NM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	NM	NM	NM	NM	NM	NM	NM
9/12/06	NM	6.0	0.0	12.7	NM	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
10/12/06	NM	0.0	0.1	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0
10/20/06	NM	0.0	0.0	25.0	0.0	0.0	0.0	NM	NM	NM	NM	NM	0.0	-	0.0	0.0	0.0	0.1	0.0	18.0	6.8	0.0
10/26/06	NM	19.7	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.1	0.0	0.0	0.0	13.7	0.3	0.0
11/3/06	NM	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	16.7	3.2	0.0
11/10/06	NM	4.1	0.0	0.4	0.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	20.1	6.1	0.0
11/17/06	NM	20.5	0.0	10.3	0.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.1	0.0	0.0	0.1	19.9	0.3	0.1
12/20/06	NM	10.2	0.0	0.1	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	4.0	0.1	0.0
1/23/07	NM	0.7	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.7	0.0	0.0	0.0	0.9	0.0	0.0
2/9/07	NM	5.6	0.0	0.1	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	62.0	0.0	0.0
4/5/07	NM	0.0	0.0	0.0	0.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.3	0.0	0.0	7.3	0.0	0.0
5/2/07	NM	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
6/6/07	NM	0.0	0.0	0.0	0.0	0.0	0.0	NM	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
7/2/07	NM	0.3	0.2	0.0	0.2	0	0.0	NM	0.3	0.0	0.0	0.1	0.3	-	0.2	0.2	0.2	0.4	0.1	0.4	0.0	0.1
8/1/07	NM	0.3	0.3	20.0	0.3	0.4	0.4	NM	0.3	0.3	0.4	0.3	0.3	-	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
9/11/07	NM	0.6	0.4	4.2	0.8	0.6	0.6	0.5	0.6	0.5	0.6	0.7	0.6	-	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.7
10/9/07	NM	0.1	0.1	0.1	15.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
11/8/07	NM	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	1.5	0.1	0.1
12/5/07	NM	1.0	0.2	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0
1/11/08	NM	4.3	0.5	0.1	0.0	5.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.4	0.0	10.2	0.0	0.1
2/11/08	NM	0.6	1.1	0.0	0.0	24	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.2	0.5	0.1	0.2	0.2	2.8	0.1	0.0
3/13/08	NM	0.5	0.6	0.3	0.3	0.2	0.2	0.6	0.7	0.2	0.1	0.7	0.3	0.0	0.6	0.6	0.6	0.6	0.4	0.2	0.4	0.3
4/8/08	NM	15.5	0.0	0.9	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	1.3	0.3	0.0
5/11/08	NM	0.0	0.2	3.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0
6/9/08	NM	8.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.1	0.0	0.0

Notes:

* = Monitor Well MW-9 was installed on 9/18/2007 as a replacement monitoring well for MW-7.

NM= Not Measured

Shaded and bolded cells indicate methane concentration exceeding the lower explosive limit (5% Methane).

Temporary methane monitoring points were installed for characterization and are not permanent compliance points.

The former office building has fallen into disrepair, and the windows and doors have been boarded up to prevent access.