WORKING COPY

Elk Mountain Landfill, Woodfin NC

Landfill Gas Assessment Boring Data Summary

July 1 – July 7, 2004

Boring Number	Within Landfill Yes/No	Sample Depth (ft)	%Lower Explosive Limit or % CH_4	% O_2	CO (ppm)	H_2S (ppm)
G-1	No	5	33 % CH_4	2.5	0	--
G-1	No	12 / Refusal	16 % CH_4	9.4	68	--
G-1A	No	5	0% LEL	19.1	4	--
G-1A	No	9 / Refusal	0 % LEL	19.1	0	--
G-2	No	5	47 % CH_4	0.3	39	--
G-2	No	12 / Refusal	46 % CH_4	0.4	7	5
G-2A	No	5	0 % LEL	19.0	5	0
G-2A	No	15	46 % CH_4	0.3	6	8
G-2A	No	19 / Refusal	22 % CH_4	0.6	7	2
G-2B	No	5	0 % LEL	12.5	6	0
G-2B	No	15 / Refusal	47 % CH_4	0.4	2	0
G-2C	No	5 / Refusal	2 % LEL	9.6	55	0
G-2D	No	5	7 % LEL	1.1	16	0
G-2D	No	8 / Refusal	1 % LEL	14	50	0
G-3	No	5	16 % CH_4	10	9	0
G-3	No	9 / Refusal	5 % CH_4	15.7	75	0
G-3A	No	5 / 6 Refusal	16 % CH_4	6.6	61	0
G-4	No	5	33 % CH_4	1.0	10	0
G-4	No	13.5 / Refusal	47 % CH_4	1.4	39	0
G-4A	No	2 / Refusal	0 % LEL	0	0	0
G-4B	No	3 / Refusal	10 % CH_4	13.4	69	0
G-5	No	5	0 % LEL	19.3	6	0
G-5	No	8 / Refusal	0 % LEL	19.2	4	0
G-6	No	5 / 7 Refusal	43 % CH_4	31.6	217	0
G-6A	No	5 / Refusal	10 % CH_4	5.7	77	0
G-6B	No	1.5/ Refusal	5% LEL	18.9	1	0
G-7	No	5	0% LEL	19.3	9	0
G-7	No	12 / Refusal	1 % LEL	19.3	35	0
G-7A	No	4.5 / Refusal	0-1 % LEL	19.3	11	0
G-8	No	5	0% LEL	19.4	5	0
G-8	No	14 / Refusal	2 % LEL	19.4	46	0
G-8A	No	5	0 % LEL	19.5	0	0
G-8A	No	10 / Refusal	1-2 % LEL	19.3	36	0
G-9	No	5	0-1 % LEL	19	15	0
G-9	No	10 / Refusal	10 % LEL	18.4	230	0

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Boring Number	Within Landfill Yes/No	Sample Depth (ft)	%Lower Explosive Limit or % CH_4	% O_2	CO (ppm)	H_2S (ppm)
G-9A	No	3 / Refusal	2 % LEL	14.3	55	0
G-9B	No	5 / 5.5 Refusal	1 % LEL	12.7	21	0
G-10	No	5	10 % LEL	18.6	2	0
G-10	No	9.5 / Refusal	10 % LEL	18.8	192	0
G-11	No	4.5 / Refusal	50 % LEL	17.3	104	0
G-12	No	5 / Refusal	4 % LEL	18.2	96	0
G-13	No	5 / Refusal	0 % LEL	16.0	11	0
G-14	No	5	1 % LEL	15.9	4	0
G-14	No	10 / Refusal	2 % LEL	14.3	22	0
G-14A	No	5 / Refusal	0-1 % LEL	13.2	9	0
G-14B	No	5	5 % LEL	16.1	5	0
G-14B	No	15 / Refusal	6 % LEL	18.4	77	0
G-14C	No	5 / Refusal	0-1 % LEL	17.7	11	0
G-14D	No	5/Refusal	5% LEL	18.2	6	0
G-15	No	5	4 % LEL	17.7	51	0
G-15	No	9 / Refusal	13 % LEL	16.7	205	0
G-15A	No	4.5 / Refusal	4 % LEL	17.9	49	0
G-16	No	5	1 % LEL	13.1	4	0
G-16	No	9.5 / Refusal	1 % LEL	18.0	17	0
G-17	No	5	1 % LEL	18.6	5	0
G-17	No	9 / Refusal	1 % LEL	17	0	0
G-18	No	5	29 % CH_4	8.4	10	0
G-18	No	10 / Refusal	19 % CH_4	12.3	15	0
G-18A	No	5	21 % LEL	18.3	29	0
G-18A	No	9 / Refusal	43 % CH_4	1.6	12	0
G-18B	No	4.5 / Refusal	6 % CH_4	11.9	22	0
G-18C	No	5	10 % CH_4	10.5	9	0
G-18C	No	10.5 / Refusal	52 % CH_4	0.6	56	0
G-18D	No	5	37 % CH_4	5.3	14	0
G-18D	No	10 / Refusal	51 % CH_4	0.8	28	0
G-19	No	3 / Refusal	37 % LEL	17.5	143	0
G-19A	No	5	2 % LEL	17.3	24	0
G-19A	No	10 / Refusal	27 % LEL	9.7	30	0
G-19B	No	5	2 %LEL	17.8	21	0
G-19B	No	10 / Refusal	0 % LEL	6.7	0	0

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G-19C	No	5	0 % LEL	18.0	10	0
G-19C	No	10 / Refusal	0 % LEL	16.7	8	0
G-20	No	4.5 / Refusal	0-1 % LEL	14.9	0	0
G-21	No	5	15 % LEL	18.6	10	0
G-21	No	10 / Refusal	39 % LEL	18.3	77	0
G-21A	No	5	15 % CH_4	12.7	45	0
G-21A	No	9 / Refusal	29 % LEL	18.2	83	0
G-21B	No	5 / 7.5 Refusal	1 % LEL	9.0	2	0
G-22	No	5	49 % CH_4	0.7	56	0
G-22	No	9 / Refusal	44 % CH_4	1.8	60	0
G-22B	No	5 / 6 Refusal	5 % LEL	7.5	4	0
G-23	No	5 / Refusal	27 % CH_4	9.7	47	0
G-23A	No	5	12 % CH_4	12.9	29	0
G-23A	No	7.5 / Refusal	52 % CH_4	0.4	47	0
G-23B	No	5 / Refusal	21 % LEL	1.9	6	0
G-24	No	5 / Refusal	35 % LEL	15.9	77	0
G-24A	No	5 / Refusal	2 % LEL	15.2	7	0
G-25	No	4.5 / Refusal	6 % LEL	18.9	47	0
G-26	No	5 / Refusal	Over % LEL	17.2	35	0
G-26A	No	5 / Refusal	20 % LEL	13.4	5	0
G-26B	No	5	23 % CH_4	7.1	19	0
G-26B	No	15 / Refusal	48 % CH_4	0.5	23	0
G-26C	No	5.5 / Refusal	2 % LEL	8.1	13	0
G-27	No	5	13 % LEL	18.1	6	0
G-27	No	15 / Refusal	43 % CH_4	0.5	70	0
G-27A	No	5	4 % LEL	16.9	16	0
G-27A	No	10 / Refusal	29 % CH_4	0.4	29	0
G-27B	No	5	1 % LEL	16.6	7	0
G-27B	No	11 / Refusal	1 % LEL	9.3	2	0
G-28	No	5 / Refusal	38 % CH_4	3.3	25	0
G-28A	No	5	1 % LEL	7.8	1	0
G-28A	No	15	1 % LEL	7.5	1	0
G-28A	No	19 / Refusal	1 % LEL	7.5	2	0
G-29	No	4 / Refusal	36 % CH_4	4.7	44	0
G-29A	No	5 / Refusal	33 % CH_4	4.6	24	0

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G-29B	No	4.5 / Refusal	37 % LEL	12.0	6	0
G-30	No	5	42 % CH_4	0.4	6	0
G-30	No	15 / Refusal	45 % CH_4	0.8	24	0
G-31	No	5	15 % CH_4	4.6	18	0
G-31	No	15	25 % CH_4	0.3	10	0
G-31	No	18.5 / Refusal	28 % CH_4	0.4	15	0
G-31A	No	7	0 % LEL	0.3	14	0
G-31A	No	15 / Refusal	23 % LEL	2.4	72	0
G-32	No	5	8 % LEL	12.7	1	0
G-32	No	15 / 17 Refusal	10 % CH_4	0.3	15	0
G-33	No	5	9 % LEL	0.9	12	0
G-33	No	10 / Refusal	7 % CH_4	0.5	28	0
G-33A	No	5	1 % LEL	12.9	1	0
G-33A	No	9 / Refusal	2 % LEL	8.2	1	0
G-34	No	5 / Refusal	2 % LEL	16.2	6	0
G-35	No	5	Over % LEL	16.4	2	0
G-35	No	9 / Refusal	45 % CH_4	0.4	7	0
G-35A	No	5 / Refusal	45 % CH_4	0.4	10	0
G-35B	No	5 / Refusal	20 % LEL	13.4	1	0
G-35C	No	5	4 % LEL	14.3	2	0
G-35C	No	8 / Refusal	5 % LEL	10.3	16	0
G-36	No	5	45 % CH_4	0.5	7	0
G-36	No	8 / Refusal	40 % CH_4	1.0	21	0
G-36A	No	5 / Refusal	15 % LEL	1.8	27	0
G-36B	No	4 / Refusal	4 % LEL	16.9	1	0
G-37	No	5 / Refusal	2 % LEL	0.5	0	0
G-38	No	5 / Refusal	54 % CH_4	0.3	18	0
G-38A	No	5 / Refusal	43 % CH_4	0.4	1	0
G-38B	No	5	10 % LEL	0.9	9	0
G-38B	No	10 / Refusal	5 % LEL	0.6	73	0
G-39	No	5 / 6 Refusal	19 % CH_4	4.1	14	0
G-40	No	2.5 / Refusal	4 % LEL	18.3	6	0
G-41	No	5	4 % LEL	8.4	5	0
G-41	No	10 / Refusal	9 % LEL	7.2	80	0
G-42	No	5 / Refusal	5 % LEL	16.3	1	0

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Boring Number	Within Landfill Yes/No	Sample Depth (ft)	%Lower Explosive Limit or % CH_4	% O_2	CO (ppm)	H_2S (ppm)
G-44	No	5	5 % LEL	16	0	0
G-44	No	13 / Refusal	13 % LEL	11.1	67	0
G-45	No	5	7 % LEL	10.9	11	0
G-45	No	15	5 % LEL	12.3	0	0
G-45	No	28 / Refusal	6 % LEL	15.2	14	0
G-46	No	5	30 % CH_4	4.3	29	0
G-46	No	11 / Refusal	50 % CH_4	0.4	148	0
G-47	No	5	14 % CH_4	4.6	21	0
G-47	No	14 / Refusal	29 % CH_4	1.1	41	0
G-47A	No	5/ Refusal	5% LEL	18.8	0	0
G-48	No	4 / Refusal	5 % LEL	15.9	22	0
G-49	No	5	5 % LEL	12.7	0	0
G-49	No	12 / Refusal	5 % LEL	14.2	0	0
G-50	No	5	6 % LEL	15.6	20	0
G-50	No	15 / 16 Refusal	5 % LEL	15.2	0	0
G-51	No	5	5 % LEL	6.6	5	0
G-51	No	9 / Refusal	5 % LEL	4.6	19	0
G-52	No	5 / 6 Refusal	44 % CH_4	0.5	57	0
G-53	No	4.5 / Refusal	7 % LEL	15.7	12	0
G-54	No	5	5% LEL	10.3	5	0
G-54	No	15 / Water Table	5 % LEL	9.9	5	0
G-55	No	5/ Refusal	6% LEL	12.1	38	0
G-56	No	4/ Refusal	6% LEL	18	26	0
SB-20B	No	5 / 7.5 Refusal	46 % CH_4	5.5	13	0
SB-20C	No	5 / 6 Refusal	50 % CH_4	0.6	35	0
SB-20D	No	5	21 % LEL	16.6	38	0
SB-20D	No	15	12 % CH_4	11.6	97	0
SB-20D	No	19.5 / Refusal	51 % CH_4	0.4	18	0
SB-20E	No	3 / Refusal	5 % LEL	16.7	26	0
SB-21C	No	2 / Refusal	Over % LEL	15.6	0	0
SB-21D	No	5 / Refusal	27 % CH_4	3.5	14	0

LEL = Lower Explosive Limit for methane (CH_4) approximately 5% methane
Over %LEL = over 100% LEL (above 5% CH_4) and less than % concentration measurable (approx. 8% methane)
Background & Ambient Air = 1-4 % LEL (Background location was I-26 Rest Area south of Asheville.)