Table 1b. CERCLA LANDFILL AIR MONITORING
LMC Site, The Dalles, Oregon

Date	Time	Location	Air Monitoring							Notes
			LEL (%)	CH_4 (ppm)	O_2 (%)	H_2S (ppm)	CO_2 (%)	(ppm)	HCN (ppm)	Wind speed for entire event at 1-3 mph, changing directions.
		Lift Station 1								
7/7/12	13:05	Source	0	0	12.9	0	3.18	(alarm)	11	6 - 8 feet inside manhole, VOC = 1.9.
	13:10	Worker Exposure 1	0	0	20.9	0	0.00		0	1 ft above ground, 1 ft from manhole, all directions.
	13:15	Worker Exposure 5	0	0	20.9	0	0.00		0	5 ft above ground, 5 ft from manhole, all directions.
	13:20	Above open manhole	0	0	20.9	0	0.00		0	1 foot above open manhole.
		Lift Station 2								
7/7/12	13:35	Source	0	0	19.5	0	0.92	(alarm)	0	6 - 8 feet inside manhole.
	13:45	Worker Exposure 1	0	0	20.9	0	0.00		0	1 ft above ground, 1 ft from manhole, all directions.
	13:54	Worker Exposure 5	0	0	20.9	0	0.00		0	5 ft above ground, 5 ft from manhole, all directions.
	14:05	Above open manhole	0	0	20.9	0	0.00		0	1 foot above open manhole.

DRAFT

Source Inside manhole.

LEL - Lower Explosive Limit.

CH_4 - Methane.

O_2 - Oxygen. Ambient concentration typically 20.9 percent.

H_2S - Hydrogen Sulfide.

HCN - Hydrogen Cyanide.

CO_2 - Carbon Dioxide. Ambient concentrations typically 300-600 ppm.

Note: This air monitoing, done at request of ODEQ (Fredrick Moore), was not conducted using an approved Sampling and Analysis Plan (SAP). Manufacturer's instructions were followed for use of portable air sampling equipment and both monitors were calibrated prior to use.

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LMC Site, The Dalles, Oregon

Date	Time	Location	Air Monitoring							Notes
			LEL (%)	CH_4 (ppm)	O_2 (%)	H_2S (ppm)	CO_2 (%)	(ppm)	HCN (ppm)	Wind speed for entire event at 1-3 mph, changing directions.
		Manhole 2	0	0	20.1	0	0.24		0	
7/7/12	14:15	Source	0	0	20.9	0	0.00		0	6 - 8 feet inside manhole.
	14:20	Worker Exposure 1	0	0	20.9	0	0.00		0	1 ft above ground, 1 ft from manhole, all directions.
	14:24	Worker Exposure 5	0	0	20.9	0	0.00		0	5 ft above ground, 5 ft from manhole, all directions.
	14:30	Above open manhole	0	0	20.9	0	0.00		0	1 foot above open manhole.
7/7/12	15:20	**Manhole 3**	0	0	20.9	0.21	0.00		0	4 feet inside manhole.
		Manhole 4								
7/7/12	14:42	Source	0	0	19.4	14	0.70	(alarm)	191	6 - 8 feet inside manhole. HCN over limit.
	14:48	Worker Exposure 1U	0	0	20.9	0	0.00		0	1 ft above ground, 1 ft from manhole, all directions.
	14:58	Worker Exposure 1D	0	0	20.9	0	0.00		0	5 ft above ground, 5 ft from manhole, all directions.
	15:04	Worker Exposure 5U	0	0	20.9	0	0.00		0	1 foot above open manhole.

DRAFT

Source Inside manhole.

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