Addendum to EPA report for Harrelson Materials Management Landfill Incident

We've corrected the Table to show the particulate readings. And below is a summary of our strategy for air monitoring. And we still have our air monitoring equipment staged nearby with a contractor who can respond very quickly if needed.

The following table represents the air monitoring data collected by the EPA Team on June 20 and 21, 2014. Three rounds of data collection representing PM, mid-day and AM hours were implemented at two different locations each round. For the air monitoring activities, the Team utilized the Multi-RAE Pro (CO, VOC, O2, LEL,H2S), the Drager chip measurement system and colorimetric tubes (HCN, HCL, VC, Phosgene) and the Data-RAM (particulates). Each location was monitored for 30 -40 minutes by each instrument and the peak readings recorded for that location and time period. As per the HASP, initial site entry was screened for gamma radiation and indicated no radiation sources present. At the Landfill location, we monitored several bias spots. At the Residence location, we monitored one spot with a view of the landfill.

	20 June 2014 2000 - 2100 hours		**21 June 2014 0700 - 0800 hours**		**21 June 2014 1200 - 1300 hours**	
	Location of Air Monitoring					
Contaminant	**HMM Landfill**	**Nearest Residence (1700 block Bonnie St.)**	**HMM Landfill**	**Nearest Residence (1700 block Bonnie St.)**	**HMM Landfill**	**Nearest Residence (1700 block Bonnie St.)**
CO	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
VOCs	0 ppm	0 ppm	0 ppm	0 ppm	0.2 ppm	0.3 ppm*
HCN	No data	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)
HCl	< DL (1.00 ppm)	< DL (1.00 ppm)	< DL (1.00 ppm)	< DL (1.00 ppm)	< DL (1.00 ppm)	< DL (1.00 ppm)
H_2S	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
Phosgene	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)	< DL (0.05 ppm)
VC	No data	No data	< DL (0.30 ppm)	< DL (0.30 ppm)	< DL (0.30 ppm)	< DL (0.30 ppm)
Particulates	up to 7,000 $\mu g/m^3$	up to 50 $\mu g/m^3$	up to 800 $\mu g/m^3$	up to 20 $\mu g/m^3$	up to 200 $\mu g/m^3$	up to 15 $\mu g/m^3$

< less than; **ppm** parts per million; **DL** detection level; **VC** vinyl chloride
The PEL for particulates is 5,000 micrograms per cubic meter.
* This location was upwind at the time of the reading, therefore, the source was most likely not the landfill.