U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI

West Fertilizer Plant Explosion
Summary of Mobile Air Monitoring Data
Reporting Period 04/18/2013

EPA conducted mobile air monitoring in the residential neighbor hoods surrounding the incident location. EPA monitored for carbon monoxide (CO), ammonia (NH_3), volatile organic compounds (VOCs), lower explosive limit (LEL), and oxygen (O_2). A summary of the air monitoring data collected during this reporting period is provided below.

Table 1 – Summary of Mobile Air Monitoring Locations

Collection Time	Parameter	Count of Readings	Count of Detects	Average Concentration	Maximum Detection	Units
11:50 - 12:30	CO	335	0	0.0	0.0	ppm
	NH3	335	0	0.0	1.0	ppm
	LEL	335	0	0.0	0.0	%
	OXY	335	0	20.9	NA	%
	VOC	335	15	0.0	0.1	ppm
15:17 – 16:05	CO	335	0	0.0	0.0	ppm
	NH3	335	0	0.0	1.0	ppm
	LEL	335	0	0.0	0.0	%
	OXY	335	0	20.9	NA	%
	VOC	335	15	0.0	0.1	ppm
18:00 - 19:16	CO	335	0	0.0	0.0	ppm
	NH3	335	0	0.0	1.0	ppm
	LEL	335	0	0.0	0.0	%
	OXY	335	0	20.9	NA	%
	VOC	335	15	0.0	0.1	ppm
20:26 - 21:19	CO	581	523	0.2	1.7	ppm
	NH3	581	0	0.0	0.0	ppm
	LEL	581	0	0.0	0.0	%
	OXY	581	0	21.2	NA	%
	VOC	581	33	0.0	0.5	ppm

9441723

Figure 1 – 11:50 – 12:30 Mobile Run Track and NH3 Results

Figure 2 15:17-16:05 Mobile Run Track and NH3 Results

Figure 3 18:00-19:16 Mobile Run Track and NH3 Results

Figure 3 20:26-21:19 Mobile Run Track and NH3 Results