

PID (VOC) results Ellisville (RV007)

April 10, 2014

The data provided in the following tables is raw data downloaded from photo-ionization detectors or PID's positioned near the work zone at Ellisville (RV007). The PID's are being used at the site to monitor for volatile substances (VOC's), or substances that easily evaporate at normal temperatures. In addition these instruments have sensors that detect Oxygen, Carbon Monoxide, Hydrogen Sulfide and Lower Explosive Limit (LEL). There are no known sources of contamination at the site that would result in volatile off-gassing. Construction activities will result in variability of this data. For example when diesel exhaust is present, VOC levels will temporarily elevate and Oxygen levels will temporarily decrease.

Air monitoring stations are set up-wind of the work zone to record background VOC data and down-wind of the work zone to record VOC data after it has passed through the work zone. Air monitoring is conducted while crews are active in the work zone.

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Ellisville (RV007) Upwind PID Data EA3 UW April 10, 2014

Line#	Date Time	CO (ppm)	VOC Alarm	H2S (ppm)	LEL Alarm (%)	OXY Alarm (%)
1	4/10/2014 13:30	0.8	0	5.8	0	20.9
2	4/10/2014 13:45	0.7	0	5.8	0	20.9
3	4/10/2014 14:00	0.8	0	5.5	0	20.9
4	4/10/2014 14:15	0.7	0	5.3	0	20.9
5	4/10/2014 14:30	0.7	0	5	0	20.9
6	4/10/2014 14:45	0.6	0	4.7	0	20.9
7	4/10/2014 15:00	0.6	0	4.9	0	20.9
8	4/10/2014 15:15	0.6	0	4.3	0	21.2
9	4/10/2014 15:30	0.3	0	3	0	21.2
10	4/10/2014 15:45	0.1	0	1.4	0	21.3
11	4/10/2014 16:00	0	0	0.4	0	21.2
12	4/10/2014 16:15	0	0	0.1	0	21.2
13	4/10/2014 16:30	0	0	0	0	21.1

Ellisville (RV007) Downwind PID Data EA3 DW April 10, 2014

Line#	Date Time	CO (ppm)	VOC Alarm	H2S (ppm)	LEL Alarm (%)	OXY Alarm (%)
1	4/10/2014 13:04	0.9	0	0.3	0	20.9
2	4/10/2014 13:19	1.8	0	0.3	0	20.9
3	4/10/2014 13:34	2.4	0	0.2	0	21
4	4/10/2014 13:49	2.5	0	0.2	0	21.2
5	4/10/2014 14:04	2.7	0	0.2	0	21.2
6	4/10/2014 14:19	3	0	0.2	0	21.3
7	4/10/2014 14:34	3.6	0	0.2	0	21.3
8	4/10/2014 14:49	3.1	0	0.2	0	21.3
9	4/10/2014 15:04	3.9	0	0.2	0	21.3
10	4/10/2014 15:19	4.5	0	0.1	0	21.3
11	4/10/2014 15:34	3.3	0	0	0	21.4
12	4/10/2014 15:49	2.2	0	0	0	21.3
13	4/10/2014 16:04	1.4	0	0	0	21.3
14	4/10/2014 16:19	0.8	0	0	0	21.3
15	4/10/2014 16:34	0.5	0	0	0	21.3