

Particulate Air Monitoring Data Ellisville (RV007)

April 7, 2014

The data provided in the following tables is raw data downloaded from particulate air monitoring instruments positioned near the work zone at Ellisville (RV007). The instruments measure PM10 or particulate matter of 10 micrometers or less which is considered respirable (able to be taken in the body by breathing). A potential source of PM10 at the site is dust from construction activities. Other sources include diesel emissions from equipment operating at the site, mold spores, smoke, smog, soot, etc.

Air monitoring stations are set up-wind of the work zone to record background particulate data and down-wind of the work zone to record particulate data influenced by work activities. Data is collected while crews are active in the work zone.

Ellisville (RV007) Upwind (Background) Particulate Data EA3 UW April 7, 2014

record	(MASS)ug/m3	Temp	RHumidity	Diameter	time	date
1	24.7	9.5	62	1.1653	14:36:23	7-Apr-14
2	22.7	10	71	1.1529	14:51:23	7-Apr-14
3	23.1	10.2	73	1.2323	15:06:23	7-Apr-14
4	24.8	10.3	75	1.3985	15:21:23	7-Apr-14
5	53.2	10.5	77	1.0917	15:36:23	7-Apr-14
6	23.1	10.8	77	1.2122	15:51:23	7-Apr-14
7	18.9	11.1	76	1.1309	16:06:23	7-Apr-14
8	17.5	11.3	74	1.0236	16:21:23	7-Apr-14
9	19.4	11.5	75	1.0623	16:36:23	7-Apr-14
10	20.8	11.6	75	1.125	16:51:23	7-Apr-14

Ellisville (RV007) Downwind Particulate Data EA3 DW April 7, 2014

record	(MASS)ug/m3	Temp	RHumidity	Diameter	time	date
1	2.1	11	59	0.7554	14:43:11	7-Apr-14
2	15.9	11.2	67	4.1239	14:58:11	7-Apr-14
3	20.5	11.3	70	2.9514	15:13:11	7-Apr-14
4	22.5	11.5	72	2.0618	15:28:11	7-Apr-14
5	21.1	11.7	73	1.6725	15:43:11	7-Apr-14
6	18.2	12.1	73	1.5644	15:58:11	7-Apr-14
7	18.6	12.3	72	1.7096	16:13:11	7-Apr-14
8	17.5	12.5	71	1.2119	16:28:11	7-Apr-14
9	19.7	12.6	72	1.235	16:43:11	7-Apr-14