

Particulate Air Monitoring Data Ellisville (RV007)

April 9, 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.

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Ellisville (RV007) Up wind PM-10 Data April 9, 2014

record	(MASS)ug/m3	Temp	RHumidity	Diameter	time	date
1	8.6	12.6	60	0.6608	9:34:11	9-Apr-14
2	16.5	16	46	0.61	9:49:11	9-Apr-14
3	4.4	18.7	37	0.4886	10:04:11	9-Apr-14
4	3.5	20.8	30	0.5114	10:19:11	9-Apr-14
5	7.4	22.4	27	0.905	10:34:11	9-Apr-14
6	6.6	23.7	24	1.0837	10:49:11	9-Apr-14
7	5.3	24.5	22	0.9407	11:04:11	9-Apr-14
8	6.4	25.3	21	1.1098	11:19:11	9-Apr-14
9	2.6	26	20	0.3791	11:34:11	9-Apr-14
10	2.6	26.9	19	0.4175	11:49:11	9-Apr-14
11	2.9	27.6	18	0.559	12:04:11	9-Apr-14
12	2.6	27.4	17	0.5685	12:19:11	9-Apr-14
13	3.7	25.6	18	0.6366	12:34:11	9-Apr-14
14	4	24.6	19	0.5394	12:49:11	9-Apr-14
15	6.6	23.2	19	0.751	13:04:11	9-Apr-14
16	10.8	21.8	21	0.8783	13:19:11	9-Apr-14
17	7.5	20.8	22	0.6683	13:34:11	9-Apr-14
18	5.1	20.1	23	0.487	13:49:11	9-Apr-14
19	7.4	20.1	23	0.5153	14:04:11	9-Apr-14
20	6	21.2	22	0.5673	14:19:11	9-Apr-14
21	5	23.6	20	0.619	14:34:11	9-Apr-14
22	5	25.8	18	0.6766	14:49:11	9-Apr-14
23	4.9	27.6	16	0.7057	15:04:11	9-Apr-14
24	3.5	28.7	15	0.5752	15:19:11	9-Apr-14
25	3.9	29.4	14	0.9214	15:34:11	9-Apr-14
26	7.3	29.9	13	1.1621	15:49:11	9-Apr-14
27	1.8	30.2	13	0.4603	16:04:11	9-Apr-14
28	2.4	30.1	12	0.6182	16:19:11	9-Apr-14
29	5	29.5	13	0.9067	16:34:11	9-Apr-14

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Ellisville (RV007) Down wind PM-10 Data EA3 April 9, 2014

record	(MASS)ug/m3	Temp	RHumidity	Diameter	time	date
1	10.3	14.7	56	1.2361	9:33:24	9-Apr-14
2	13	14.6	49	1.1968	9:48:24	9-Apr-14
3	8.8	14.5	47	1.2113	10:03:24	9-Apr-14
4	8.1	14.6	44	1.1786	10:18:24	9-Apr-14
5	8.8	14.8	43	1.2191	10:33:24	9-Apr-14
6	9	15.1	42	1.2739	10:48:24	9-Apr-14
7	7.4	15.4	41	1.2667	11:03:24	9-Apr-14
8	7.6	15.9	39	1.2063	11:18:24	9-Apr-14
9	8.5	16.3	38	1.3292	11:33:24	9-Apr-14
10	7.6	16.8	37	0.9897	11:48:24	9-Apr-14
11	7.9	17.2	37	1.1734	12:03:24	9-Apr-14
12	7.4	17.7	35	1.1545	12:18:24	9-Apr-14
13	7.8	18.4	34	1.0275	12:33:24	9-Apr-14
14	8.2	19	32	1.1046	12:48:24	9-Apr-14
15	8.9	19.4	31	0.9713	13:03:24	9-Apr-14
16	8.8	19.9	30	1.0048	13:18:24	9-Apr-14
17	9.9	20.4	30	1.1282	13:33:24	9-Apr-14
18	8.4	21	28	0.8678	13:48:24	9-Apr-14
19	9.4	21.6	27	1.0103	14:03:24	9-Apr-14
20	9.2	22.4	26	1.0005	14:18:24	9-Apr-14
21	8.2	23.5	25	1.1228	14:33:24	9-Apr-14
22	9.9	24.5	24	1.7368	14:48:24	9-Apr-14
23	7.1	26.1	23	0.9764	15:03:24	9-Apr-14
24	7.4	27.5	21	1.2349	15:18:24	9-Apr-14
25	7.4	27.2	20	1.6856	15:33:24	9-Apr-14
26	11	27	20	0.9265	15:48:24	9-Apr-14
27	7.2	26.5	20	1.2097	16:03:24	9-Apr-14
28	5.9	25.8	20	1.3094	16:18:24	9-Apr-14
29	5.4	26	20	0.9084	16:33:24	9-Apr-14