

Particulate Air Monitoring Data Ellisville (RV007)

April 8, 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) Down wind PM-10 Data EA3 April 8, 2014

record	(MASS)ug/m3	Temp	RHumidity	Diameter	time	date
1	18.6	18.2	41	0.4307	8:19:00	8-Apr-14
2	18.5	16.5	46	0.4562	8:34:00	8-Apr-14
3	20.4	15.6	49	0.4503	8:49:00	8-Apr-14
4	20.6	15.2	51	0.5044	9:04:00	8-Apr-14
5	21.3	15.3	52	0.5102	9:19:00	8-Apr-14
6	22.2	15.2	52	0.5118	9:34:00	8-Apr-14
7	22.4	15.1	52	0.5049	9:49:00	8-Apr-14
8	19.8	15.1	52	0.5226	10:04:00	8-Apr-14
9	15.5	15.4	51	0.5149	10:19:00	8-Apr-14
10	15.1	15.6	49	0.5218	10:34:00	8-Apr-14
11	14.6	15.8	49	0.5043	10:49:00	8-Apr-14
12	10.9	16	47	0.4782	11:04:00	8-Apr-14
13	8.4	16	45	0.5135	11:19:00	8-Apr-14
14	6	16.2	44	0.419	11:34:00	8-Apr-14
15	5.5	16.6	42	0.4008	11:49:00	8-Apr-14
16	5.4	16.7	41	0.3763	12:04:00	8-Apr-14
17	5.3	17.1	41	0.3919	12:19:00	8-Apr-14
18	4.6	17.5	39	0.3599	12:34:00	8-Apr-14
19	4.9	17.7	38	0.3613	12:49:00	8-Apr-14
20	5.1	18.1	37	0.3637	13:04:00	8-Apr-14
21	6.8	18.6	35	0.4076	13:19:00	8-Apr-14
22	6.5	19.5	33	0.4184	13:34:00	8-Apr-14
23	5.2	20.7	31	0.3703	13:49:00	8-Apr-14
24	3.7	21.3	30	0.3788	14:04:00	8-Apr-14
25	3.7	21.1	29	0.4423	14:19:00	8-Apr-14
26	5.5	21	29	0.4418	14:34:00	8-Apr-14
27	4.3	21.1	28	0.468	14:49:00	8-Apr-14
28	5.5	22.4	27	0.528	15:04:00	8-Apr-14
29	4.7	23	25	0.5262	15:19:00	8-Apr-14
30	5.3	22.3	27	0.5177	15:34:00	8-Apr-14
31	3.5	22.2	28	0.458	15:49:00	8-Apr-14
32	4	21.3	28	0.4684	16:04:00	8-Apr-14
33	4.8	20.8	29	0.4285	16:19:00	8-Apr-14

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Ellisville (RV007) Up wind PM-10 Data April8, 2014

record	(MASS)ug	Temp	RHumidity	Diameter	time	date
1	17.1	14	44	0.4993	8:25:34	8-Apr-14
2	15.9	14.1	53	0.5358	8:40:34	8-Apr-14
3	15.3	14.5	54	0.5249	8:55:34	8-Apr-14
4	14.2	15.4	53	0.5546	9:10:34	8-Apr-14
5	14.2	16.7	50	0.5392	9:25:34	8-Apr-14
6	15.3	18.5	46	0.5235	9:40:34	8-Apr-14
7	13.7	19.7	43	0.5634	9:55:34	8-Apr-14
8	10.4	21.1	39	0.528	10:10:34	8-Apr-14
9	8.8	21.7	36	0.5465	10:25:34	8-Apr-14
10	10.1	22	35	0.55	10:40:34	8-Apr-14
11	8.8	21.7	34	0.5565	10:55:34	8-Apr-14
12	5.7	21.4	33	0.4784	11:10:34	8-Apr-14
13	4.4	21.1	33	0.4568	11:25:34	8-Apr-14
14	4	22.5	32	0.4633	11:40:34	8-Apr-14
15	4.3	23.6	29	0.5321	11:55:34	8-Apr-14
16	3.4	24.5	27	0.4281	12:10:34	8-Apr-14
17	3.4	23.7	27	0.4124	12:25:34	8-Apr-14
18	3.5	22.7	27	0.4267	12:40:34	8-Apr-14
19	3.7	22.4	28	0.4181	12:55:34	8-Apr-14
20	4.1	21.6	28	0.4091	13:10:34	8-Apr-14
21	4.5	21.2	28	0.4718	13:25:34	8-Apr-14
22	4.3	21.1	28	0.4569	13:40:34	8-Apr-14
23	3.3	21.2	28	0.4539	13:55:34	8-Apr-14
24	3	21.7	27	0.4522	14:10:34	8-Apr-14
25	2.9	21.9	26	0.4689	14:25:34	8-Apr-14
26	2.8	22.6	25	0.5172	14:40:34	8-Apr-14
27	2.5	24	24	0.5031	14:55:34	8-Apr-14
28	3	25.4	22	0.7106	15:10:34	8-Apr-14
29	2.5	25.5	22	0.5146	15:25:34	8-Apr-14
30	2.3	25.4	23	0.4222	15:40:34	8-Apr-14
31	1.9	25.5	21	0.376	15:55:34	8-Apr-14
32	3.3	24.1	22	0.5336	16:10:34	8-Apr-14