Gunter, Jason

From: Bodnar, Gen <gbodnar@doerun.com>
Sent: Monday, April 14, 2014 1:34 PM
To: Gunter, Jason
Cc: Nations, Mark; Cummings, Mark; Yingling, Mark
Subject: OLB monitoring sites data summary
Attachments: 02-2014.pdf

Jason,
Attached is a summary of the TSP, Ambient lead, and PM10 results from the monitoring sites, along with Met Station data for February 2014.

If you would like additional information in this report, please let me know and I will revise. As of today, I do not have a throat table for the monitor at St. Joe #4 (the ball fields). I should be getting that back some time this week, and will send you the updated results then. As of April 1, a throat for which we do have lookup tables was put on this sampler, so going forward we should be in good shape.

Thanks,

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Federal Site

Sample Results for February 2014

	St. Joe (Ballfields)		Big River#4		Water Treatment Plant	
Sample Date	**TSP** ug/m3	**Lead** ug/m3	**TSP** ug/m3	**Lead** ug/m3	**TSP** ug/m3	**Lead** ug/m3
2/3/14	38	0.036	31	0.014	23	0.009
2/4/14	23	0.008	20	0.006	19	0.008
2/5/14	11	0.003	10	0.003	8	0.004
2/6/14	18	0.010	27	0.016	17	0.010
2/7/14	15	0.005	17	0.006	10	0.004
2/10/14	39	0.032	21	0.006	23	0.006
2/11/14	40	0.045	22	0.006	20	0.013
2/12/14	39	0.039	30	0.012	34	0.032
2/13/14	14	0.013	7	0.007	11	0.013
2/14/14	21	0.007	14	0.006	12	0.007
2/17/14	15	0.027	8	0.007	12	0.047
2/18/14	26	0.054	17	0.013	22	0.027
2/19/14	invalid	invalid	19	0.013	9	0.013
2/20/14	19	0.049	15	0.014	24	0.055
2/21/14	19	0.014	17	0.007	20	0.040
2/24/14	22	0.026	30	0.019	17	0.013
2/25/14	23	0.026	18	0.013	18	0.020
2/26/14	19	0.013	23	0.019	21	0.032
2/27/14	25	0.013	37	0.019	24	0.013
2/28/14	29	0.020	28	0.013	20	0.007

Monthly Avg. TSP	24	21	18
Monthly Avg. Pb	0.023	0.011	0.019
Jan-14	0.103	0.015	0.046
Dec-13	0.020	0.006	0.013
Rolling 3-Month	**0.049**	**0.011**	**0.026**

Three month rolling average must be less than 0.15 ug/m3

NOTES: 2/19/14 St. Joe sample: motor bearing went out

	Big River QA	
Sample Date	**TSP** ug/m3	**Lead** ug/m3
2/4/14	22	0.008
2/6/14	28	0.015
2/11/14	35	0.006
2/13/14	11	0.007
2/18/14	15	0.013
2/20/14	9	0.007
2/25/14	18	0.013
2/27/14	37	0.019

Federal Site

Sample Results for February 2014

Sample Date	St. Joe (Ballfields) **PM10** (ug/m3)	Big River#4 **PM10** (ug/m3)	Water Treatment **PM10** (ug/m3)
2/1/14	#DIV/0!	8	8
2/4/14	#DIV/0!	15	16
2/7/14	#DIV/0!	17	11
2/10/14	#DIV/0!	15	16
2/13/14	#DIV/0!	24	20
2/16/14	#DIV/0!	12	18
2/19/14	#DIV/0!	23	16
2/22/14	#DIV/0!	5	19
2/25/14	#DIV/0!	10	12
2/28/14	#DIV/0!	22	12

Compliance with NAAQS is less than 150 ug/m3

Monthly Avg. PM10	#DIV/0!	15	15

NOTES: Waiting on Throat table for St. Joe PM10 monitor

Sample Date	Big River QA **PM10** (ug/m3)
2/4/14	18
2/10/14	9
2/16/14	24
2/22/14	22
2/28/14	22

Meterological Data -Old Lead Belt

February, 2014

hourly or 24 hr	Date	time (24 hr)	Wind Sp, mph	Wind Dir	Sigma-theta	Temp-C	Pressure (mm Hg)	rain gauge (in)	Power supply
24	2/1/2014	2400	5.213	307.7	16.76	3.435	742	0.17	13.36
24	2/2/2014	2400	5.758	345.5	17.44	-4.74	751	0	13.68
24	2/3/2014	2400	2.549	355.1	18.02	-7.31	753	0.01	13.72
24	2/4/2014	2400	3.587	33.18	18.8	-4.169	748	0.01	13.76
24	2/5/2014	2400	7.93	314.7	16.04	-7.06	753	0	13.75
24	2/6/2014	2400	4.428	328.5	14.88	-13.68	758	0	13.8
24	2/7/2014	2400	1.485	90.8	16.68	-12.72	755	0	13.89
24	2/8/2014	2400	2.132	183.3	18.57	-3.355	749	0.01	13.79
24	2/9/2014	2400	4.615	348.9	15.68	-3.126	750	0	13.73
24	2/10/2014	2400	5.643	0.99	18.3	-9.3	755	0	13.78
24	2/11/2014	2400	1.854	52.59	20.33	-11.99	756	0	13.84
24	2/12/2014	2400	1.093	26.31	17.31	-8.23	749	0.14	13.8
24	2/13/2014	2400	3.711	240.4	16.31	-0.058	742	0	13.69
24	2/14/2014	2400	6.078	303	18.97	-1.273	740	0.25	13.58
24	2/15/2014	2400	3.781	213.5	18.64	-4.604	747	0	13.74
24	2/16/2014	2400	3.625	25.39	19.12	-1.127	748	0	13.72
24	2/17/2014	2400	5.731	214.4	20.72	3.551	744	0	13.5
24	2/18/2014	2400	5.333	205.8	13.55	7.29	743	0.01	13.54
24	2/19/2014	2400	2.566	153.8	19.22	8.1	743	0	13.53
24	2/20/2014	2400	9.54	207	18.46	12.96	735	0.01	13.33
24	2/21/2014	2400	8.38	239.9	19.29	8.34	743	0	13.23
24	2/22/2014	2400	4.509	213.8	20.34	9.37	743	0	13.21
24	2/23/2014	2400	5.833	16.11	16.84	1.193	749	0	13.29
24	2/24/2014	2400	2.525	52.34	23.34	-1.719	752	0	13.33
24	2/25/2014	2400	5.491	353.6	17.56	-1.942	751	0	13.34
24	2/26/2014	2400	6.185	304	21.59	-6.294	749	0	13.41
24	2/27/2014	2400	4.689	332.6	22.01	-3.144	747	0	13.39
24	2/28/2014	2400	4.884	151.1	21.09	1.159	745	0	13.37