

US EPA ARCHIVE DOCUMENT

East Elementary (Water Plant)-1
 East Liverpool, OH

Other Monitored Toxic Air Pollutants

Additional Monitoring Results

Pollutant	Sample Screening Level	6/26/2011	7/2/2011	7/8/2011	7/14/2011	7/20/2011	7/26/2011	8/1/2011	8/7/2011	8/13/2011	8/19/2011	8/25/2011	8/31/2011	9/6/2011	9/12/2011
Antimony (Nanograms/cubic meter)	2000	1.07	3.37	1.38	1.43	3.38	1.74	1.67	0.86	5.17	2.25	4.09	7.83	0.59	1.30
Arsenic (Nanograms/cubic meter)	150	2.75	3.85	4.99	2.92	1.75	1.59	1.72	1.86	4.45	4.72	0.43	6.61	1.49	2.06
Beryllium (Nanograms/cubic meter)	20	0.009	0.02	0.04	0.05	0.01	0.03	0.01	0.005	0.01	0.03	0.002	0.04	0.02	0.02
Cadmium (Nanograms/cubic meter)	30	0.49	0.71	2.13	0.92	0.41	0.59	0.34	0.33	1.19	1.08	0.20	5.60	0.44	0.79
Chromium (Nanograms/cubic meter)	580	5.63	49.5	17.5	12.2	5.13	7.61	5.32	5.69	5.36	21.8	4.47	29.8	90.7	8.34
Cobalt (Nanograms/cubic meter)	100	0.06	1.86	0.69	1.38	0.29	0.33	0.27	0.06	0.22	1.39	0.10	1.27	2.04	1.01
Mercury (Nanograms/cubic meter)	3000	0.03	0.04	0.05	0.04	0.03	0.04	0.05	0.03	0.02	0.04	0.03	0.06	0.01	0.02
Nickel (Nanograms/cubic meter)	200	1.73	78.7	7.84	12.8	2.06	2.15	1.61	0.61	1.70	18.3	1.10	24.9	13.2	2.71
Selenium (Nanograms/cubic meter)	20000	0.70	2.71	2.74	1.35	1.92	1.40	1.72	1.74	3.41	4.19	1.04	7.32	0.52	1.61

ND = Pollutant Not Detected

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Additional Monitoring Results (continued)

Pollutant	Sample Screening Level	9/18/2011	9/24/2011	9/30/2011	10/6/2011	10/12/2011	10/18/2011	10/24/2011	10/30/2011	11/5/2011	11/11/2011	11/17/2011	11/23/2011	11/29/2011
Antimony (Nanograms/cubic meter)	2000	1.52	1.51	0.35	1.58	1.29	1.63	2.68	2.40	5.93	0.56	0.43	0.51	0.71
Arsenic (Nanograms/cubic meter)	150	2.58	2.66	0.17	2.05	2.52	0.96	1.77	1.76	3.06	0.51	0.35	0.22	0.62
Beryllium (Nanograms/cubic meter)	20	0.01	0.003	0.005	0.02	0.01	0.03	0.03	0.004	0.008	0.007	0.008	0.008	0.01
Cadmium (Nanograms/cubic meter)	30	1.13	0.40	0.22	1.02	0.57	0.30	1.24	0.66	0.59	0.71	0.45	0.17	1.43
Chromium (Nanograms/cubic meter)	580	7.33	5.79	5.09	21.8	15.1	9.62	7.16	4.11	7.12	8.09	3.81	4.66	9.68
Cobalt (Nanograms/cubic meter)	100	0.13	0.10	0.05	1.42	1.36	0.59	1.47	0.05	0.17	0.11	0.37	0.12	0.19
Mercury (Nanograms/cubic meter)	3000	0.04	0.01	0.003	0.05	0.06	0.07	0.04	0.02	0.006	0.009	0.009	ND	0.02
Nickel (Nanograms/cubic meter)	200	1.29	0.99	0.23	13.9	5.96	5.56	1.73	0.90	1.52	1.20	0.73	0.75	4.60
Selenium (Nanograms/cubic meter)	20000	1.71	1.50	0.62	2.58	1.64	0.86	3.78	1.30	0.82	0.63	0.49	0.28	1.36

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Additional Monitoring Results (continued)

Pollutant	Sample Screening Level	12/5/2011	12/11/2011	12/17/2011	12/23/2011	12/29/2011	1/4/2012	1/10/2012	1/16/2012	1/22/2012	1/28/2012
Antimony (Nanograms/cubic meter)	2000	2.62	5.84	0.61	0.18	1.49	0.97	1.59	0.66	0.85	0.58
Arsenic (Nanograms/cubic meter)	150	2.43	1.88	0.68	0.41	1.61	0.83	1.48	1.10	1.16	0.68
Beryllium (Nanograms/cubic meter)	20	0.07	0.01	0.006	0.003	0.04	ND	0.03	0.003	0.01	ND
Cadmium (Nanograms/cubic meter)	30	1.02	0.58	0.25	0.34	0.26	0.22	1.31	0.22	0.71	0.22
Chromium (Nanograms/cubic meter)	580	32.9	5.55	5.19	4.67	14.4	4.03	5.75	14.6	4.73	9.85
Cobalt (Nanograms/cubic meter)	100	1.40	0.24	0.06	0.05	1.05	0.30	0.35	0.54	0.12	0.08
Mercury (Nanograms/cubic meter)	3000	0.03	0.03	0.003	ND	0.01	0.03	0.05	0.03	0.04	0.02
Nickel (Nanograms/cubic meter)	200	17.5	1.15	0.61	0.35	3.48	0.51	1.16	3.31	1.22	0.49
Selenium (Nanograms/cubic meter)	20000	2.22	2.13	0.67	0.10	1.30	1.56	2.07	3.03	1.82	0.95

ND = Pollutant Not Detected