

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **February 22, 2010**

Sample Location		Monday February 22			Tuesday February 23			Wednesday February 24			Thursday February 25			Friday February 26		
		Respirable Dust ($\mu\text{g}/\text{m}^3$) ^a	Asbestos (s/cc) ^b	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)
Perimeter	North	3.47	<0.004	<0.47	31.5	<0.004	<0.47	21.3	<0.004	<0.46	20.3	<0.004	<0.47	27.1	<0.004	<0.46
	East	17.2*	<0.005	<0.48	40.2	<0.004	<0.48	54.6	<0.004	<0.48	102	<0.004	<0.48	<0.17	<0.005	<0.48
	South	10.6	<0.004	<0.47	45.2	<0.004	<0.47	34.4	<0.004	<0.47	46.3	<0.004	<0.47	45.1	<0.004	<0.47
	West	18.7*	<0.004	<0.47	32.6*	<0.004	<0.47	25.5	<0.004	<0.47	18.7*	<0.004	<0.47	27.1	<0.004	<0.47
Sensitive Receptors	Advocate Health	8.49*	<0.004	<0.48	30.8	<0.004	<0.48	30.9	<0.004	<0.48	25.7	<0.004	<0.48	38	<0.004	<0.48
	Drake Elementary School	27.2	<0.004	<0.48	39.3	<0.004	<0.48	32	<0.004	<0.48	28.8	<0.004	<0.48	39	<0.004	<0.48
	Prairie Shores Apartments	8.32	<0.004	<0.48	34.2	<0.004	<0.48	27.4	<0.004	<0.48	15.1	<0.004	<0.48	29.9*	<0.004	<0.48
	Pershing Elementary School	13.6	<0.004	<0.48	21	<0.004	<0.48	30.5	<0.004	<0.48	38.1	<0.004	<0.48	34.6	<0.004	<0.48

Comments: *Damaged filters

Notes: a – $\mu\text{g}/\text{m}^3$ denotes micrograms per cubic meter; b – s/cc denotes structures per cubic centimeter

Target Levels: Respirable Dust - $150 \mu\text{g}/\text{m}^3$, Asbestos - 0.02 s/cc, Lead $1.5 \mu\text{g}/\text{m}^3$ (when expressed as U.S. EPA standards the respirable dust is a 24-hour average and the lead is a quarterly average measured 24 hours per day)

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 WEEK OF: **February 15, 2010**

Sample Location		Monday February 15			Tuesday February 16			Wednesday February 17			Thursday February 18			Friday February 19		
		Respirable Dust ($\mu\text{g}/\text{m}^3$) ^a	Asbestos (s/cc) ^b	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)
Perimeter	North	1.17	<0.004	<0.47	14.4	<0.004	<0.47	11.3	<0.004	<0.48	<0.17*	<0.004	<0.47	<0.17	<0.004	<0.47
	East	52.2	<0.005	<0.49	58.9	<0.004	<0.48	31.9	<0.004	<0.48	53.8	<0.004	<0.48	69.8	<0.004	<0.48
	South	62.6	<0.004	<0.47	50.9	<0.004	<0.47	37.1	<0.004	<0.47	3.63*	<0.004	<0.47	110	<0.004	<0.47
	West	45.3	<0.004	<0.47	21.5	<0.004	<0.47	12.1	<0.004	<0.47	34.9	<0.004	<0.47	73.9	<0.004	<0.47
Sensitive Receptors	Advocate Health	38.7	<0.004	<0.48	27	<0.004	<0.47	11.7	<0.004	<0.48	9.52	<0.004	<0.47	38.3	<0.004	<0.47
	Drake Elementary School	No Samples Taken			28.5	<0.004	<0.48	<0.17*	<0.004	<0.48	42.1*	<0.004	<0.47	55.8	<0.004	<0.47
	Prairie Shores Apartments	41.3	<0.004	<0.48	26.9	<0.004	<0.47	15.4	<0.004	<0.48	26.8	<0.004	<0.47	65.5	<0.004	<0.47
	Pershing Elementary School	51.5	<0.004	<0.48	32.9	<0.004	<0.47	22.9	<0.004	<0.48	2.33	<0.004	<0.47	53.3	<0.004	<0.47

Comments: *Damaged Filters

Notes: a – $\mu\text{g}/\text{m}^3$ denotes micrograms per cubic meter; b – s/cc denotes structures per cubic centimeter

Target Levels: Respirable Dust - $150 \mu\text{g}/\text{m}^3$, Asbestos - 0.02 s/cc, Lead $1.5 \mu\text{g}/\text{m}^3$ (when expressed as U.S. EPA standards the respirable dust is a 24-hour average and the lead is a quarterly average measured 24 hours per day)

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 WEEK OF: **February 8, 2010**

Sample Location		Monday February 8			Tuesday February 9			Wednesday February 10			Thursday February 11			Friday February 12		
		Respirable Dust ($\mu\text{g}/\text{m}^3$) ^a	Asbestos (s/cc) ^b	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)
Perimeter	North	26.3	<0.004	<0.47	21.1	<0.004	<0.48	No Sample	<0.004	No Sample	42.9*	<0.004	<0.46	58*	<0.004	<0.47
	East	47.4	<0.005	<0.49	12.8	<0.005	<0.49	8.66	<0.005	<0.49	49.4	<0.005	<0.48	73.8	<0.004	<0.48
	South	144	<0.004	<0.47	33.7	<0.004	<0.48	11.3*	<0.004	<0.48	64.9*	<0.004	<0.47	115	<0.004	<0.47
	West	81.7	0.004	<0.47	45.7	<0.004	<0.48	2.86*	<0.004	<0.48	48	<0.004	<0.47	83.7	<0.004	<0.47
Sensitive Receptors	Advocate Health	36.2	<0.004	<0.48	16.4*	<0.005	<0.49	8.76	<0.005	<0.49	42.2	<0.004	<0.48	70.3*	<0.004	<0.48
	Drake Elementary School	64.1	<0.004	<0.48	18.1	<0.005	<0.49	<0.17	<0.005	<0.49	72.3	<0.005	<0.49	No Sample	No Sample	No Sample
	Prairie Shores Apartments	49.7	<0.004	<0.48	17.8	<0.005	<0.49	5.15*	<0.005	<0.48	51.1*	<0.004	<0.48	94.3*	<0.004	<0.48
	Pershing Elementary School	33.5	<0.004	<0.48	18.7	<0.005	<0.48	<0.17*	<0.005	<0.49	<0.17	<0.005	<0.48	72.5	<0.004	<0.48

Comments: *Damaged filters

Notes: a – $\mu\text{g}/\text{m}^3$ denotes micrograms per cubic meter; b – s/cc denotes structures per cubic centimeter

Target Levels: Respirable Dust - $150 \mu\text{g}/\text{m}^3$, Asbestos - 0.02 s/cc, Lead $1.5 \mu\text{g}/\text{m}^3$ (when expressed as U.S. EPA standards the respirable dust is a 24-hour average and the lead is a quarterly average measured 24 hours per day)

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 WEEK OF: **February 1, 2010**

Sample Location		Monday February 1			Tuesday February 2			Wednesday February 3			Thursday February 4			Friday February 5		
		Respirable Dust ($\mu\text{g}/\text{m}^3$) ^a	Asbestos (s/cc) ^b	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)	Respirable Dust ($\mu\text{g}/\text{m}^3$)	Asbestos (s/cc)	Lead ($\mu\text{g}/\text{m}^3$)
Perimeter	North	134	<0.004	<0.47	70.1	<0.004	<0.47	59.1	<0.004	<0.47	7.31	<0.004	<0.47	42.8	<0.004	<0.47
	East	177	<0.005	<0.49	67.3	<0.004	<0.48	100	<0.004	<0.48	77.5	<0.005	<0.49	44.9	<0.004	<0.48
	South	206	<0.004	<0.47	47.7	<0.004	<0.47	49	<0.004	<0.47	63.7	<0.004	<0.47	46.5	<0.004	<0.47
	West	204	<0.004	<0.47	72	<0.004	<0.47	109	<0.004	<0.47	81.9	<0.004	<0.47	60	<0.004	<0.47
Sensitive Receptors	Advocate Health	112	<0.004	<0.48	59.7	<0.004	<0.48	2.02	<0.004	<0.48	56.8*	<0.004	<0.48	36.8	<0.004	<0.48
	Drake Elementary School	189	<0.004	<0.48	83.2	<0.004	<0.48	85.5	<0.004	<0.48	14.2	<0.004	<0.48	37.7	<0.005	<0.49
	Prairie Shores Apartments	147	<0.004	<0.48	67.8	<0.004	<0.48	101	<0.004	<0.48	7.7	<0.004	<0.48	69.9	<0.004	<0.48
	Pershing Elementary School	103	<0.004	<0.48	55.1	<0.004	<0.48	74.2	<0.004	<0.48	53.1	<0.004	<0.48	39.6	<0.005	<0.49

Comments: *Damaged filter.

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