

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: January 25, 2010

Sample Location		Monday January 25			Tuesday January 26			Wednesday January 27			Thursday January 28			Friday January 29		
		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	23.8	<0.004	<0.47	22.6	<0.004	<0.48	35.5	<0.004	<0.47	19.5	<0.004	<0.47	47.6	<0.004	<0.47
	East	20.3	<0.004	<0.48	40.1	<0.005	<0.5	70.6	<0.004	<0.48	75.9	<0.004	<0.48	79.1	<0.004	<0.48
	South	23.2*	<0.004	<0.47	40.5	<0.004	<0.47	62	<0.004	<0.47	94	<0.004	<0.47	102	<0.004	<0.47
	West	17.4	<0.004	<0.47	47.7	<0.004	<0.48	37.1	<0.004	<0.47	28.2	<0.004	<0.47	64.2	<0.004	<0.46
Sensitive Receptors	Advocate Health	13.8	<0.004	<0.48	43	<0.005	<0.49	44	<0.004	<0.47	60.9	<0.004	<0.48	41.1	<0.004	<0.48
	Drake Elementary School	23.6	<0.004	<0.48	46.6	<0.005	<0.49	65.2	<0.004	<0.48	73.5	<0.004	<0.48	62.5	<0.004	<0.48
	Prairie Shores Apartments	9.27	<0.004	<0.48	39.7	<0.005	<0.49	40	<0.004	<0.48	62.4	<0.004	<0.48	77.5	<0.004	<0.48
	Pershing Elementary School	11.8*	<0.004	<0.48	29.3	<0.004	<0.48	35	<0.004	<0.48	76.9	<0.004	<0.48	63.6	<0.004	<0.48

Comments: *Damaged filter.

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: **January 18, 2010**

Sample Location		Monday January 18			Tuesday January 19			Wednesday January 20			Thursday January 21			Friday January 22		
		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	7.19	<0.004	<0.47	32.4	<0.004	<0.48	15.8	<0.004	<0.47	13.6	<0.004	<0.47	29.6	<0.004	<0.47
	East	51	<0.004	<0.48	30.7	<0.004	<0.48	2.55	<0.004	<0.48	13.5	<0.004	<0.48	39.8	<0.005	<0.49
	South	48.1	<0.004	<0.47	75.9	<0.004	<0.47	16.2*	<0.004	<0.47	39.1	<0.004	<0.46	33.9	<0.004	<0.47
	West	50.6	<0.004	<0.47	73.6	<0.004	<0.46	66.5	<0.004	<0.47	42.5	<0.004	<0.47	42.3	<0.004	<0.47
Sensitive Receptors	Advocate Health	47.5*	<0.004	<0.48	25.6*	<0.004	<0.48	13.5	<0.004	<0.48	11.5	<0.004	<0.48	31.5	<0.004	<0.48
	Drake Elementary School	No Samples Taken			71.2	<0.004	<0.48	30.6	<0.004	<0.48	16.2	<0.004	<0.48	25.4	<0.004	<0.48
	Prairie Shores Apartments	50.6	<0.004	<0.48	62.1	<0.004	<0.48	39.2	<0.004	<0.48	23.3	<0.004	<0.48	45.5	<0.004	<0.48
	Pershing Elementary School	47.3	<0.004	<0.48	24.4	<0.004	<0.47	14.1	<0.004	<0.48	14.7	<0.004	<0.47	33	<0.004	<0.48

Comments: *Damaged filter.

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: January 11, 2010

Sample Location		Monday January 11			Tuesday January 12			Wednesday January 13			Thursday January 14			Friday January 15		
		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	52.8	<0.004	<0.48	25.3	<0.004	<0.47	48.5	<0.004	<0.45	43.9	<0.004	<0.48	42.3	<0.004	<0.47
	East	92.9	<0.005	<0.49	36.6	<0.004	<0.46	47.9	<0.004	<0.45	38.2	<0.004	<0.47	40.4	<0.004	<0.47
	South	44.2	<0.004	<0.48	31.5	<0.004	<0.48	51.2*	<0.004	<0.45	37.8	<0.004	<0.47	43.7	<0.004	<0.47
	West	37.5	<0.004	<0.48	22.1*	<0.004	<0.47	37	<0.004	<0.45	30.8	<0.004	<0.46	58.4	<0.004	<0.47
Sensitive Receptors	Advocate Health	52.4	<0.005	<0.49	6.78	<0.004	<0.48	28.3	<0.004	<0.48	43.1	<0.004	<0.47	44	<0.004	<0.47
	Drake Elementary School	54	<0.005	<0.49	15.8	<0.004	<0.48	50.8	<0.004	<0.48	38.8	<0.004	<0.47	51.6	<0.004	<0.47
	Prairie Shores Apartments	48.8	<0.005	<0.49	25.7	<0.004	<0.48	48.7	<0.004	<0.47	42.2	<0.004	<0.47	60.2	<0.004	<0.47
	Pershing Elementary School	42.4	<0.005	<0.49	19.8	<0.004	<0.48	37.4	<0.004	<0.47	37.7	<0.004	<0.47	42.7	<0.004	<0.47

Comments: *Damaged filter.

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: January 4, 2010

Sample Location		Monday January 4			Tuesday January 5			Wednesday January 6			Thursday January 7			Friday January 8		
		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	9.76	<0.004	<0.47	13.8	<0.005	<0.48	41.6	<0.005	<0.48	38.1*	<0.005	<0.49	6.57*	<0.005	<0.48
	East	65.7	<0.004	<0.47	102	<0.005	<0.49	79.2	<0.005	<0.48	61.3	<0.005	<0.5	40.9	<0.005	<0.49
	South	18.5	<0.004	<0.47	52	<0.005	<0.48	55.1	<0.005	<0.48	27.7	<0.005	<0.49	<0.17	<0.005	<0.48
	West	8.59	<0.004	<0.47	32.6*	<0.005	<0.48	41.8	<0.004	<0.47	56.2	<0.005	<0.48	13.2	<0.005	<0.48
Sensitive Receptors	Advocate Health	7.72	<0.004	<0.47	24.5	<0.005	<0.49	48.7	<0.004	<0.47	<0.17	<0.005	<0.49	<0.17	<0.005	<0.49
	Drake Elementary School	22.3	<0.005	<0.48	31.5	<0.005	<0.49	51.1	<0.005	<0.48	<0.17*	<0.005	<0.49	8.76	<0.005	<0.5
	Prairie Shores Apartments	8.17	<0.004	<0.47	33.3	<0.005	<0.49	37.2	<0.004	<0.47	9.91	<0.005	<0.49	4.68	<0.005	<0.49
	Pershing Elementary School	24.7	<0.004	<0.47	32.5	<0.005	<0.49	40.5	<0.004	<0.47	24	<0.005	<0.49	2.77	<0.005	<0.49

Comments: *Damaged filter.

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

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