

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **May 31, 2010**

Sample Location		Monday May 31			Tuesday June 1			Wednesday June 2			Thursday June 3			Friday June 4		
		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	No Samples Taken	No Samples Taken	No Samples Taken	39.6	<0.005	<0.4	22.3	<0.005	<0.41	3.22*	<0.005	<0.41	54.3	<0.005	<0.41
	East				38.4	<0.005	<0.39	25.7	<0.005	<0.42	15.9	<0.004	<0.38	42.3	<0.004	<0.36
	South				65.7	<0.005	<0.4	53	<0.005	<0.41	15.5*	<0.005	<0.41	110	<0.005	<0.41
	West				31	<0.005	<0.4	15.1	<0.005	<0.42	9.16	<0.004	<0.38	15.4	<0.004	<0.37
Sensitive Receptors	Advocate Health				23.4	<0.005	<0.39	11.1	<0.005	<0.39	6.51	<0.004	<0.35	17.5	<0.004	<0.37
	Drake Elementary School				49.6	<0.005	<0.39	20*	<0.005	<0.39	13.3	<0.004	<0.35	57.1	<0.004	<0.37
	Prairie Shores Apartments				43.7	<0.005	<0.39	11	<0.005	<0.39	8.9	<0.004	<0.35	40.1	<0.004	<0.37
	Pershing Elementary School				34.6	<0.005	<0.39	20.1	<0.004	<0.39	6.26	<0.004	<0.35	37.3	<0.004	<0.36

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: **May 24, 2010**

Sample Location		Monday May 24			Tuesday May 25			Wednesday May 26			Thursday May 27			Friday May 28		
		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	178	<0.006	<0.46	34.5	<0.004	<0.46	77.7	<0.005	<0.46	34.2	<0.005	<0.46	41.6	<0.005	<0.46
	East	85.9	<0.005	<0.46	58.1	<0.004	<0.46	62	<0.005	<0.46	52.4	<0.005	<0.46	42.3	<0.005	<0.46
	South	84.9	<0.005	<0.46	72.9	<0.004	<0.46	69.6	<0.005	<0.46	54.1	<0.005	<0.46	40.2*	<0.005	<0.46
	West	69.3	<0.005	<0.46	115	<0.004	<0.46	117	<0.005	<0.46	74.9	<0.005	<0.46	53.3	<0.005	<0.46
Sensitive Receptors	Advocate Health	74.3	<0.005	<0.46	61.1	<0.004	<0.46	56.8*	<0.005	<0.46	33.8	<0.005	<0.46	22.7	<0.005	<0.46
	Drake Elementary School	64	<0.005	<0.46	70	<0.004	<0.46	38.9*	<0.005	<0.46	27.7	<0.005	<0.46	53.5	<0.005	<0.46
	Prairie Shores Apartments	78.5	<0.005	<0.46	90.9	<0.004	<0.46	88.2	<0.005	<0.46	32.9	<0.005	<0.46	21.8*	<0.005	<0.46
	Pershing Elementary School	53.7	<0.005	<0.46	44.9	<0.004	<0.46	54.2	<0.005	<0.46	29.1	<0.005	<0.46	20.4*	<0.005	<0.46

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: **May 17, 2010**

Sample Location		Monday May 17			Tuesday May 18			Wednesday May 19			Thursday May 20			Friday May 21		
		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	11.2	<0.005	<0.46	14	<0.006	<0.63	16.9	<0.006	<0.51	26.7	<0.005	<0.49	25.6	<0.006	<0.51
	East	12.9	<0.005	<0.46	22	<0.006	<0.46	31	<0.005	<0.46	33.5	<0.005	<0.46	25.1	<0.005	<0.46
	South	17.4*	<0.005	<0.46	30.5	<0.006	<0.46	28.2	<0.005	<0.46	129	<0.005	<0.46	31	<0.005	<0.46
	West	13.3*	<0.005	<0.46	22.9	<0.006	<0.46	37.9	<0.006	<0.46	81.5	<0.005	<0.46	46.8	<0.005	<0.46
Sensitive Receptors	Advocate Health	11.2*	<0.005	<0.46	14.2	<0.006	<0.46	20.7	<0.005	<0.46	43.9*	<0.005	<0.46	30	<0.005	<0.47
	Drake Elementary School	13.9	<0.005	<0.46	21.4	<0.006	<0.46	27.7	<0.005	<0.46	39.4	<0.005	<0.46	31.1	<0.005	<0.46
	Prairie Shores Apartments	11.8	<0.005	<0.46	43.4	<0.006	<0.46	33.9	<0.005	<0.46	68.4*	0.005	<0.46	36.2	<0.005	<0.46
	Pershing Elementary School	19.9	<0.005	<0.46	16.2	<0.006	<0.46	29.2	<0.005	<0.46	46.4	<0.005	<0.46	32.2	<0.005	<0.46

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: **May 10, 2010**

Sample Location		Monday May 10			Tuesday May 11			Wednesday May 12			Thursday May 13			Friday May 14		
		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	34	<0.005	<0.47	27	<0.005	<0.47	13.4	<0.005	<0.47	32.9	<0.006	<0.48	6.56	<0.006	<0.48
	East	32.6	<0.005	<0.47	29	<0.005	<0.47	16.5	<0.005	<0.47	22.3	<0.005	<0.47	17.1	<0.005	<0.47
	South	40.8	<0.005	<0.45	31.8	<0.005	<0.45	21.2	<0.005	<0.45	33.8	<0.005	<0.45	28	<0.005	<0.46
	West	57.2	<0.005	<0.47	21.2	<0.006	<0.47	20.4	<0.005	<0.47	27.6	<0.006	<0.48	18.7	<0.006	<0.48
Sensitive Receptors	Advocate Health	31	<0.005	<0.47	23.2	<0.005	<0.47	14.2	<0.005	<0.47	23.4	<0.005	<0.47	6.82	<0.005	<0.47
	Drake Elementary School	60.7	<0.005	<0.47	0.335	<0.005	<0.47	17.8	<0.005	<0.47	<0.17	<0.005	<0.47	30.5	<0.005	<0.47
	Prairie Shores Apartments	53.5	<0.005	<0.47	29.1	<0.005	<0.47	19.6	<0.005	<0.47	29.8	<0.005	<0.47	25.9	<0.005	<0.47
	Pershing Elementary School	22.7	<0.005	<0.47	29.9	<0.006	<0.48	17.4	<0.005	<0.47	26.1	<0.005	<0.47	15	<0.005	<0.47

Comments: _____

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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PUBLIC BUILDING COMMISSION OF CHICAGO
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 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **May 3, 2010**

Sample Location		Monday May 3			Tuesday May 4			Wednesday May 5			Thursday May 6			Friday May 7		
		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	24.6	<0.006	<0.47	31.5	<0.005	<0.47	18.3	<0.005	<0.47	7.36	<0.005	<0.47	15.9	<0.005	<0.47
	East	51.9	<0.005	<0.45	29.7	<0.005	<0.47	33.6	<0.005	<0.47	90	<0.005	<0.47	17.8	<0.006	<0.48
	South	44.8	<0.005	<0.45	55.9	<0.005	<0.45	39.1	<0.005	<0.45	22	<0.005	<0.45	16.3	<0.005	<0.45
	West	17.8	<0.006	<0.48	32.5	<0.005	<0.47	43.3	<0.005	<0.47	43.4	<0.005	<0.47	108	<0.006	<0.47
Sensitive Receptors	Advocate Health	24.7	<0.005	<0.47	32.4	<0.005	<0.47	21.7	<0.005	<0.47	11.7	<0.005	<0.47	12.7	<0.005	<0.47
	Drake Elementary School	29.9	<0.005	<0.47	40.5	<0.005	<0.47	52.3	<0.005	<0.47	14	<0.005	<0.47	18.9	<0.005	<0.46
	Prairie Shores Apartments	24.3	<0.005	<0.47	27	<0.005	<0.47	40.2	<0.005	<0.47	33.3	<0.005	<0.47	10	<0.005	<0.47
	Pershing Elementary School	16.2	<0.005	<0.47	21.2	<0.005	<0.47	20.4	<0.005	<0.47	14.2	<0.005	<0.47	11.3	<0.005	<0.47

Comments: _____

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)