

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **April 26, 2010**

Sample Location		Monday April 26			Tuesday April 27			Wednesday April 28			Thursday April 29			Friday April 30		
		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	12.7	<0.006	<0.47	17.5	<0.006	<0.47	61.3	<0.006	<0.48	91.8	<0.005	<0.47	84.4	<0.006	<0.48
	East	33.1	<0.005	<0.48	24.5	<0.005	<0.47	33.6	<0.005	<0.47	53	<0.005	<0.47	63.7	<0.005	<0.47
	South	79	<0.005	<0.45	57.2	<0.005	<0.46	46.5	<0.005	<0.46	160	<0.005	<0.45	144	<0.005	<0.47
	West	24.7	<0.005	<0.47	54.6	<0.006	<0.48	36.5	<0.006	<0.48	172	<0.005	<0.47	55.3	<0.006	<0.48
Sensitive Receptors	Advocate Health	15.9	<0.005	<0.47	6.88	<0.006	<0.47	19.5	<0.005	<0.47	73.6	<0.005	<0.47	64.5	<0.005	<0.47
	Drake Elementary School	19.1	<0.005	<0.47	11.9	<0.005	<0.47	23.8	<0.005	<0.47	92.3	<0.005	<0.47	84.5	<0.005	<0.47
	Prairie Shores Apartments	15.7	<0.005	<0.47	46.6	<0.005	<0.47	41.7	<0.005	<0.47	57.3	<0.005	<0.47	64.7	<0.005	<0.47
	Pershing Elementary School	25.4	<0.006	<0.48	19.4	<0.005	<0.47	15	<0.005	<0.47	67.8	<0.005	<0.47	61.6	<0.005	<0.47

Comments: Thursday, April 29, 2010 - Wind speeds up to 32 mph and gusts up to 42 mph reported throughout the day.

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: **April 19, 2010**

Sample Location		Monday April 19			Tuesday April 20			Wednesday April 21			Thursday April 22			Friday April 23		
		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	12.5	<0.005	<0.47	26.6	<0.005	<0.47	54.1	<0.005	<0.47	20.2	<0.005	<0.47	52	<0.005	<0.47
	East	19.4	<0.005	<0.47	24.9	<0.005	<0.47	73.4	<0.005	<0.47	18.6	<0.005	<0.47	44.7	<0.005	<0.47
	South	31.2	<0.005	<0.45	13.4	<0.005	<0.45	101	<0.005	<0.45	43.7	<0.005	<0.45	79.2	<0.005	<0.45
	West	50.8	<0.005	<0.47	64.8	<0.005	<0.47	93	<0.005	<0.47	34.3	<0.005	<0.47	50.9	<0.005	<0.47
Sensitive Receptors	Advocate Health	12.9	<0.006	<0.47	10.8	<0.005	<0.47	42.5	<0.005	<0.47	15.6	<0.005	<0.47	40.7	<0.005	<0.47
	Drake Elementary School	16	<0.006	<0.47	14.7	<0.005	<0.47	55.7	<0.005	<0.47	28.4	<0.005	<0.47	54.7	<0.005	<0.47
	Prairie Shores Apartments	33.9	<0.005	<0.47	48.2	<0.005	<0.47	77.3	<0.005	<0.47	30.2	<0.005	<0.47	77.7	<0.005	<0.47
	Pershing Elementary School	13.8	<0.006	<0.48	14.9	<0.005	<0.47	41.9	<0.005	<0.47	23.6	<0.005	<0.47	45.6	<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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 WEEK OF: **April 12, 2010**

Sample Location		Monday April 12			Tuesday April 13			Wednesday April 14			Thursday April 15			Friday April 16		
		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 Sample	<0.006	<0.48	22.5*	<0.005	<0.47	9.32	<0.005	<0.46	123	<0.005	<0.46	25.4	<0.005	<0.47
	East	28.3*	<0.005	<0.47	33.8	<0.005	<0.47	69.2	<0.005	<0.47	96.6*	<0.005	<0.47	59.6	<0.005	<0.47
	South	47.6	<0.005	<0.46	42.9	<0.005	<0.47	111	<0.005	<0.46	119	<0.005	<0.46	46.5	<0.005	<0.45
	West	78.8	<0.006	<0.47	138	<0.005	<0.47	131	<0.005	<0.46	122	<0.005	<0.47	59.4	<0.005	<0.47
Sensitive Receptors	Advocate Health	35.9	<0.005	<0.47	24.2	<0.005	<0.47	56.8	<0.005	<0.47	110	<0.005	<0.47	29.9	<0.005	<0.47
	Drake Elementary School	40.6	<0.005	<0.47	30.1	<0.005	<0.47	<0.17	<0.005	<0.47	164	<0.005	<0.47	28.6	<0.005	<0.47
	Prairie Shores Apartments	26.6	<0.005	<0.47	68.2	<0.005	<0.47	105	<0.005	<0.47	116	<0.005	<0.47	31.2	<0.005	<0.47
	Pershing Elementary School	20.2	<0.005	<0.47	26.1	<0.005	<0.47	53.7	<0.005	<0.47	88.7	<0.005	<0.47	27.2*	<0.005	<0.47

Comments: *Damaged filter.

Thursday, April 15, 2010 - Wind speeds up to 25 mph and gusts up to 37 mph reported throughout the day.

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: **April 5, 2010**

Sample Location		Monday April 5			Tuesday April 6			Wednesday April 7			Thursday April 8			Friday April 9		
		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	40.3	<0.005	<0.47	22.9	<0.005	<0.46	12	<0.005	<0.46	2.16	<0.005	<0.47	<0.17*	<0.006	<0.48
	East	34.3	<0.005	<0.47	33.1	<0.005	<0.47	9.17	<0.005	<0.47	15.8	<0.006	<0.48	20.8	<0.005	<0.47
	South	57.1	0.005	<0.45	39.6	<0.005	<0.46	22.8	<0.005	<0.46	11.2	<0.005	<0.45	29.3	<0.005	<0.47
	West	30.1	<0.005	<0.47	35.5	<0.005	<0.46	14.8	<0.005	<0.46	4.99	<0.005	<0.47	34.3	<0.006	<0.47
Sensitive Receptors	Advocate Health	32.6	<0.005	<0.47	27.5	<0.005	<0.47	7.86	<0.005	<0.47	4.68	<0.005	<0.47	25.6	<0.005	<0.47
	Drake Elementary School	53.7	<0.005	<0.47	38.1	<0.005	<0.47	12.6	<0.005	<0.47	6.7	<0.005	<0.47	23.3	<0.005	<0.47
	Prairie Shores Apartments	33.3	<0.005	<0.47	57.6	<0.005	<0.47	11.2*	<0.005	<0.47	11.9	<0.005	<0.47	22.9	<0.005	<0.47
	Pershing Elementary School	31.9	<0.005	<0.47	61.8	<0.005	<0.47	7.35	<0.005	<0.47	6.51	<0.005	<0.47	13.4	<0.005	<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)