

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **March 29, 2010**

Sample Location		Monday March 29			Tuesday March 30			Wednesday March 31			Thursday April 1			Friday April 2		
		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	27.8	<0.005	<0.47	0.337	<0.006	<0.48	42	<0.005	<0.47	<0.17	<0.006	<0.47	58.4	<0.006	<0.47
	East	13	<0.005	<0.47	33.1	<0.005	<0.47	40.6	<0.005	<0.47	63.6	<0.005	<0.47	54.5	<0.005	<0.47
	South	10.3	<0.005	<0.45	63.5	<0.005	<0.46	101	<0.005	<0.46	102	<0.005	<0.45	135	<0.005	<0.45
	West	1.17	<0.005	<0.47	40.9	<0.006	<0.47	74.3	<0.006	<0.47	75.9	<0.006	<0.47	57.9	<0.006	<0.47
Sensitive Receptors	Advocate Health	1.33*	<0.005	<0.47	40.4	<0.005	<0.47	47.2	<0.005	<0.47	54.6	<0.005	<0.47	66.9	<0.005	<0.47
	Drake Elementary School	5.51	<0.005	<0.47	40.7	<0.005	<0.47	57.3	<0.005	<0.47	71.1	<0.005	<0.47	100	<0.005	<0.47
	Prairie Shores Apartments	18.2	<0.005	<0.47	37.5	<0.005	<0.47	50.8	<0.005	<0.47	54.5	<0.005	<0.47	65.5	<0.005	<0.47
	Pershing Elementary School	5.35	<0.005	<0.47	32.1	<0.005	<0.47	55.5	<0.006	<0.47	52.3	<0.005	<0.47	56.7	<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)

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 WEEK OF: **March 22, 2010**

Sample Location		Monday March 22			Tuesday March 23			Wednesday March 24			Thursday March 25			Friday March 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	<0.16*	<0.005	<0.46	<0.17	<0.005	<0.47	28.5	<0.005	<0.46	286	<0.005	<0.47	59.7	<0.005	<0.47
	East	50.3	<0.005	<0.47	27.7	<0.005	<0.47	47.7	<0.005	<0.47	55.8	<0.005	<0.47	13.4*	<0.006	<0.48
	South	95.9	<0.005	<0.47	66.9	<0.005	<0.47	67	<0.005	<0.46	210	<0.005	<0.45	20.7	<0.005	<0.45
	West	5.94*	<0.005	<0.47	4.47*	<0.005	<0.47	16.7	<0.005	<0.46	30.8	<0.005	<0.47	10.3	<0.005	<0.47
Sensitive Receptors	Advocate Health	7.37	<0.005	<0.47	10*	<0.005	<0.47	19.4	<0.005	<0.47	15.7	<0.005	<0.47	1.34	<0.006	<0.47
	Drake Elementary School	15.7	<0.005	<0.47	15.3	<0.005	<0.47	22.5	<0.005	<0.46	29.6	<0.005	<0.47	1.55	<0.006	<0.49
	Prairie Shores Apartments	43.8	<0.005	<0.47	44.2	<0.005	<0.47	46.2	<0.005	<0.47	70.1	<0.005	<0.47	48*	<0.005	<0.47
	Pershing Elementary School	40.1	<0.005	<0.47	14.7	<0.005	<0.47	30.6	<0.005	<0.47	70.7	<0.005	<0.47	6.41	<0.006	<0.49

Comments: *Damaged filter.

Thursday, March 25, 2010 – Wind speeds up to 30 mph and wind gusts up to 43 mph reported throughout 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: **March 15, 2010**

Sample Location		Monday March 15			Tuesday March 16			Wednesday March 17			Thursday March 18			Friday March 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	4.63	<0.005	<0.46	15	<0.005	<0.47	34.5	<0.005	<0.47	77.2	<0.005	<0.51	43.5	<0.005	<0.47
	East	49.6	<0.005	<0.47	98.9	<0.005	<0.47	197	0.011	<0.54	104	<0.005	<0.54	56.8	<0.006	<0.47
	South	46.7	<0.005	<0.47	73.7	<0.005	<0.46	157	<0.005	<0.46	129	<0.004	<0.47	87	<0.005	<0.46
	West	31	<0.005	<0.47	82.4	<0.005	<0.46	196	<0.005	<0.46	92.9	<0.005	<0.5	50	<0.005	<0.46
Sensitive Receptors	Advocate Health	9.68	<0.005	<0.47	31.5	<0.005	<0.47	45.6	<0.005	<0.47	77.5	<0.005	<0.49	39	<0.005	<0.47
	Drake Elementary School	13.6	<0.005	<0.47	42.4	<0.005	<0.47	61.3	<0.005	<0.47	77.1	<0.004	<0.48	50.7	<0.005	<0.47
	Prairie Shores Apartments	7.85	<0.006	<0.47	8.83	<0.005	<0.47	5.16	<0.005	<0.47	60.9	<0.004	<0.48	38.1	0.005	<0.47
	Pershing Elementary School	32.5	<0.005	<0.47	47.4	<0.005	<0.47	80.3	<0.005	<0.47	65.5	<0.004	<0.48	37.4	<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: **March 8, 2010**

Sample Location		Monday March 8			Tuesday March 9			Wednesday March 10			Thursday March 11			Friday March 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	61.2	<0.004	<0.46	54	<0.005	<0.47	41.4	<0.005	<0.47	25.5	<0.005	<0.47	24.2	<0.005	<0.46
	East	71.9	<0.004	<0.48	75.9	<0.006	<0.48	41.2	<0.006	<0.48	20.4	<0.006	<0.48	30.2	<0.006	<0.47
	South	87.8	<0.004	<0.46	60.3	<0.005	<0.46	63.4	<0.005	<0.46	25.8	<0.005	<0.46	53	<0.005	<0.47
	West	130	<0.004	<0.46	93.6	<0.005	<0.47	44.6	<0.005	<0.46	35.9	<0.005	<0.46	95.7*	<0.005	<0.47
Sensitive Receptors	Advocate Health	60.4	<0.004	<0.47	44.8	<0.005	<0.47	36.5	<0.005	<0.47	18.1	<0.005	<0.47	23.9	<0.005	<0.47
	Drake Elementary School	73.4	<0.004	<0.47	80	<0.005	<0.47	35.4	<0.006	<0.47	33.2	<0.005	<0.47	31.9	<0.005	<0.47
	Prairie Shores Apartments	108	<0.004	<0.47	120	<0.006	<0.47	35.1	<0.005	<0.47	21.9*	<0.005	<0.47	52.8	<0.005	<0.47
	Pershing Elementary School	69.3	<0.004	<0.47	50.8	<0.006	<0.47	31.1	<0.005	<0.47	20.1	<0.005	<0.47	33.9	<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)

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 WEEK OF: **March 1, 2010**

Sample Location		Monday March 1			Tuesday March 2			Wednesday March 3			Thursday March 4			Friday March 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	10.4	<0.004	<0.47	0.664	<0.004	<0.47	5.59	<0.004	<0.46	13.6	<0.005	<0.47	14.1	<0.005	<0.46
	East	37.8	<0.004	<0.48	30.5	<0.004	<0.48	61	0.004	<0.48	69.4	<0.006	<0.47	86.9	<0.005	<0.47
	South	23.1	<0.004	<0.47	25.4	<0.004	<0.47	40	<0.004	<0.46	55.5	<0.005	<0.47	51.9	<0.005	<0.46
	West	54.7	<0.004	<0.47	52.9	<0.004	<0.47	44.6*	<0.004	<0.46	79.1	<0.005	<0.47	48.4	<0.005	<0.46
Sensitive Receptors	Advocate Health	9.02*	<0.004	<0.48	1.19	<0.004	<0.48	10.4*	<0.004	<0.47	21.5	<0.005	<0.47	18.1	<0.005	<0.47
	Drake Elementary School	No Samples Taken			13.7	<0.004	<0.48	14.4	<0.004	<0.47	26.7	<0.005	<0.47	23.1	<0.005	<0.47
	Prairie Shores Apartments	23	<0.004	<0.48	19	<0.004	<0.48	26.1	<0.004	<0.47	53.6	<0.005	<0.47	41.3	<0.005	<0.47
	Pershing Elementary School	19.5	<0.004	<0.48	21.2	<0.004	<0.48	12.9	<0.004	<0.47	31.9	<0.005	<0.47	30.3	<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)