

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: June 28, 2010

Sample Location		Monday June 28			Tuesday June 29			Wednesday June 30			Thursday July 1			Friday July 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	19.4	<0.006	<0.53	40.5	0.006	<0.53	42	<0.006	<0.54						
	East	39.4	<0.005	<0.46	12.7	<0.005	<0.47	38.8	<0.005	<0.46						
	South	34.2	<0.006	<0.51	9.81	<0.006	<0.5	32.7	<0.006	<0.51						
	West	23.3	<0.005	<0.46	12	<0.005	<0.46	33.8	<0.005	<0.46						
Sensitive Receptors	Advocate Health	22.2	<0.005	<0.46	10.9	<0.005	<0.45	29.2	<0.005	<0.46						
	Drake Elementary School	32.4	<0.005	<0.46	26.7	<0.005	<0.45	39.5	<0.005	<0.46						
	Prairie Shores Apartments	62.5	<0.005	<0.46	30.6	<0.005	<0.45	52.7	<0.005	<0.46						
	Pershing Elementary School	29.7	<0.005	<0.46	12.5	<0.005	<0.46	35.1	<0.005	<0.46						

Comments: *Note – Air Monitoring has been stopped. Air Monitoring will resume when above ground structural building demolition continues.

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: **June 21, 2010**

Sample Location		Monday June 21			Tuesday June 22			Wednesday June 23			Thursday June 24			Friday June 25		
		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	19.5	<0.006	<0.53	40	<0.006	<0.53	22.8	<0.006	<0.53	17.1	<0.006	<0.53	53.6	<0.006	<0.53
	East	21.8	<0.005	<0.47	30.5	<0.005	<0.47	26.4	<0.005	<0.47	19.9	<0.005	<0.46	35.1	<0.005	<0.47
	South	22	<0.006	<0.51	35.9	<0.006	<0.51	16.1	<0.006	<0.51	17.9	<0.006	<0.5	39.3	<0.006	<0.5
	West	26.3	<0.006	<0.46	37.9	<0.005	<0.46	32	<0.005	<0.46	37.5	<0.005	<0.46	32.7	<0.005	<0.46
Sensitive Receptors	Advocate Health	20.6	<0.005	<0.46	36	<0.005	<0.45	18.1	<0.005	<0.46	24	<0.005	<0.45	37.8	<0.005	<0.45
	Drake Elementary School	28.4	<0.005	<0.46	40.5	<0.005	<0.45	24.7	<0.005	<0.46	15.6	<0.005	<0.45	40.7	<0.005	<0.45
	Prairie Shores Apartments	27.5	<0.005	<0.45	34.7	<0.005	<0.45	17.5	<0.005	<0.45	36.6	<0.005	<0.45	37.5	<0.005	<0.45
	Pershing Elementary School	18.9	<0.005	<0.46	31	<0.005	<0.45	18.4	<0.005	<0.46	17.9	<0.005	<0.45	32.8	<0.005	<0.46

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: June 14, 2010

Sample Location		Monday June 14			Tuesday June 15			Wednesday June 16			Thursday June 17			Friday June 18		
		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	5.45	<0.006	<0.53	30	<0.006	<0.53	1.12	<0.006	<0.53	18.3	<0.006	<0.53	31.6	<0.006	<0.53
	East	14.2	<0.005	<0.47	29.7	<0.005	<0.47	22.2	<0.005	<0.47	14	<0.005	<0.47	29.9	<0.005	<0.46
	South	24.3	<0.006	<0.51	37*	<0.006	<0.51	21.7	<0.006	<0.51	26.7	<0.006	<0.51	22.5	<0.006	<0.51
	West	66.7	<0.005	<0.46	2.44	<0.005	<0.46	22	<0.005	<0.46	57.2	<0.005	<0.46	33.8	<0.005	<0.46
Sensitive Receptors	Advocate Health	15.9*	<0.005	<0.45	<0.16	<0.005	<0.46	9.51*	<0.005	<0.46	16.4*	<0.005	<0.46	27.1	<0.005	<0.45
	Drake Elementary School	24	<0.005	<0.45	44.6	<0.005	<0.46	26.1*	<0.005	<0.46	16.6	<0.005	<0.46	36.6	<0.005	<0.46
	Prairie Shores Apartments	35.1	<0.005	<0.45	52.2	<0.005	<0.46	25.9	<0.005	<0.45	52	<0.005	<0.45	29.7	<0.005	<0.45
	Pershing Elementary School	23.7	<0.005	<0.46	25.7	<0.005	<0.46	17.1	<0.005	<0.46	16	<0.005	<0.46	9.19	<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: June 7, 2010

Sample Location		Monday June 7			Tuesday June 8			Wednesday June 9			Thursday June 10			Friday June 11		
		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	9.63	<0.006	<0.52	0.753	<0.006	<0.53	13.6	<0.006	<0.53	8.1	<0.006	<0.53	54.2	<0.006	<0.53
	East	14.2	<0.005	<0.47	18.7	<0.005	<0.47	35	<0.005	<0.46	26.3	<0.005	<0.46	48.1	<0.005	<0.47
	South	14.3	<0.006	<0.52	19.2	<0.006	<0.51	3.03*	<0.006	<0.5	24.1	<0.006	<0.51	45.1	<0.006	<0.51
	West	37.4	<0.005	<0.45	14.9	<0.005	<0.46	15.4	<0.005	<0.46	61.3*	<0.005	<0.46	31.2	<0.005	<0.46
Sensitive Receptors	Advocate Health	12.7	<0.005	<0.48	15.7	<0.005	<0.46	12.6	<0.005	<0.46	10.3	<0.005	<0.45	2.9	<0.005	<0.46
	Drake Elementary School	9.15	<0.005	<0.45	23.4	<0.005	<0.46	37.2	<0.005	<0.46	29.7	<0.005	<0.46	46.2	<0.005	<0.46
	Prairie Shores Apartments	21.4	<0.005	<0.45	16.4	<0.005	<0.46	40.4	<0.005	<0.46	34.6	<0.005	<0.45	45.2	<0.005	<0.45
	Pershing Elementary School	10.1	<0.005	<0.45	16.6	<0.005	<0.46	24.8	<0.005	<0.46	17.4	<0.005	<0.46	39.1	<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

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