

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: October 26, 2009

Sample Location		Monday October 26			Tuesday October 27			Wednesday October 28			Thursday October 29			Friday October 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	27.8	<0.005	<0.46	15.4	<0.005	<0.51	26.8	<0.005	<0.51	51.9	<0.005	<0.51	13.8	<0.005	<0.5
	East	33.1	<0.005	<0.47	25.7	<0.005	<0.46	30.3	<0.005	<0.46	47.8	<0.005	<0.47	7.62	<0.005	<0.46
	South	29.7	<0.005	<0.46	21.5	<0.005	<0.46	34	<0.005	<0.46	39.2	<0.005	<0.46	23.2	<0.005	<0.46
	West	26.4	<0.005	<0.47	29.8	<0.005	<0.46	33	<0.005	<0.46	50.7	<0.005	<0.46	12.9	<0.005	<0.46
Sensitive Receptors	Advocate Health	20.5	<0.005	<0.47	15.4	<0.005	<0.46	28.9	<0.005	<0.46	41.2	<0.005	<0.46	<0.16*	<0.005	<0.45
	Drake Elementary School	8.44	<0.005	<0.47	22.6	<0.005	<0.46	44.5	<0.005	<0.46	46.2	<0.005	<0.46	17.9	<0.005	<0.46
	Prairie Shores Apartments	26.5	<0.005	<0.47	31.8	<0.005	<0.46	31.6	<0.005	<0.46	40	<0.005	<0.46	12.9	<0.005	<0.46
	Pershing Elementary School	29.1	<0.005	<0.47	22.8	<0.005	<0.46	32.9	<0.005	2.3	41	<0.005	<0.46	12.7	<0.005	<0.45

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 an annual average and the lead is a quarterly average, both measured 24 hours per day)

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: October 19, 2009

Sample Location		Monday October 19			Tuesday October 20			Wednesday October 21			Thursday October 22			Friday October 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	39.3	<0.005	<0.51	42.3	<0.005	<0.52	1.08	<0.005	<0.51	10.1	<0.005	<0.52	23.2	<0.005	<0.47
	East	28.3	<0.005	<0.47	62.9	<0.005	<0.47	48.6	<0.005	<0.47	15.2	<0.005	<0.47	11.5	<0.005	<0.47
	South	33.1	<0.005	<0.47	44.7	<0.005	<0.47	39.4	<0.005	<0.47	13.7	<0.005	<0.47	19.2	<0.005	<0.47
	West	21.4	<0.005	<0.47	34.7	<0.005	<0.47	41	<0.005	<0.47	16.7	<0.005	<0.47	14.3	<0.005	<0.47
Sensitive Receptors	Advocate Health	16.3	<0.005	<0.46	46.8	<0.005	<0.47	31.4	<0.005	<0.47	11.7	<0.005	<0.46	12.4	<0.005	<0.47
	Drake Elementary School	38.1	<0.005	<0.46	39.6	<0.005	<0.47	46.7	<0.005	<0.47	12.6	<0.005	<0.46	12.4	<0.005	<0.47
	Prairie Shores Apartments	23.4	<0.005	<0.47	37	<0.005	<0.48	38.6	<0.005	<0.47	16	<0.005	<0.46	9.3	<0.005	<0.47
	Pershing Elementary School	31.5	<0.005	<0.46	41.5	<0.005	<0.47	41.9	<0.005	<0.47	11.7	<0.005	<0.47	12.4	<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 $\mu\text{g}/\text{m}^3$

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **October 12, 2009**

Sample Location		Monday October 12			Tuesday October 13			Wednesday October 14			Thursday October 15			Friday October 16		
		Respirable Dust (µg/m ³) ^a	Asbestos (s/cc) ^b	Lead (µg/m ³)	Respirable Dust (µg/m ³)	Asbestos (s/cc)	Lead (µg/m ³)	Respirable Dust (µg/m ³)	Asbestos (s/cc)	Lead (µg/m ³)	Respirable Dust (µg/m ³)	Asbestos (s/cc)	Lead (µg/m ³)	Respirable Dust (µg/m ³)	Asbestos (s/cc)	Lead (µg/m ³)
Perimeter	North	30	<0.005	<0.48	5.76	<0.005	<0.53	30.7	<0.005	<0.52	<0.18	<0.005	<0.51	9.03	<0.005	<0.51
	East	39.3	<0.005	<0.48	25.5	<0.005	<0.47	8.93	<0.005	<0.48	<0.17*	<0.005	<0.47	10.8	<0.005	<0.47
	South	23	<0.005	<0.48	17.4	<0.005	<0.47	9.22	<0.005	<0.47	5.68	<0.005	<0.47	4.81*	<0.005	<0.47
	West	23.3	<0.005	<0.48	15.4	<0.005	<0.47	4.04	<0.005	<0.48	<0.17	<0.005	<0.47	7.52	<0.005	<0.46
Sensitive Receptors	Advocate Health	24.9	<0.005	<0.48	9.91	<0.005	<0.48	<0.17	<0.005	<0.48	<0.17*	<0.005	<0.47	6.57	<0.005	<0.46
	Drake Elementary School				15.9	<0.005	<0.49	14.9	<0.005	<0.48	0.677	<0.005	<0.48	9.19*	<0.005	<0.46
	Prairie Shores Apartments	21.3	<0.005	<0.48	13.3	<0.005	<0.48	<0.17	<0.005	<0.47	<0.17*	<0.005	<0.47	6.38*	<0.005	<0.46
	Pershing Elementary School	26.1	<0.005	<0.48	20.4	<0.005	<0.49	3.55	<0.005	<0.48	1.35	<0.005	<0.48	6.74*	<0.005	<0.46

Comments: * Damaged filter

Notes: a – µg/m³ denotes micrograms per cubic meter; b – s/cc denotes structures per cubic centimeter
 Target Levels: Respirable Dust - 150 µg/m³ Asbestos - 0.02 s/cc Lead - 1.5 µg/m³

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: October 5, 2009

Sample Location		Monday October 5			Tuesday October 6			Wednesday October 7			Thursday October 8			Friday October 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	3.28	<0.004	<0.49	37.2	<0.005	<0.46	13	<0.005	<0.47	7.39	<0.005	<0.47	0.821	<0.005	<0.46
	East	*	<0.004	<0.52	35.6	<0.005	<0.47	9.89	<0.005	<0.47	14.9	<0.005	<0.47	0.16	<0.005	<0.46
	South	1.11	<0.004	<0.52	30.8	<0.005	<0.47	12	<0.005	<0.46	19.8	<0.005	<0.47	0.16	<0.005	<0.46
	West	6.93	<0.005	<0.46	1.31	0.005	<0.46	1.48	<0.005	<0.46	15.7	<0.005	<0.48	0.16	<0.005	<0.46
Sensitive Receptors	Advocate Health	5.68	<0.005	<0.46	15.7	<0.005	<0.47	1.31	<0.005	<0.46	4.07	<0.005	<0.48	4.25	<0.005	<0.46
	Drake Elementary School	9.98	<0.005	<0.47	16	<0.005	<0.47	7.16	<0.005	<0.46	15.6	<0.005	<0.48	8.06	<0.005	<0.46
	Prairie Shores Apartments	13	<0.005	<0.45	10.9	<0.005	<0.46	5.41	<0.005	<0.46	11.7	<0.005	<0.48	0.16	<0.005	<0.46
	Pershing Elementary School	*	<0.005	<0.48	13.1	<0.005	<0.47	2.95	<0.005	<0.46	16.5	<0.005	<0.47	0.17	<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 $\mu\text{g}/\text{m}^3$

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **September 28, 2009**

Sample Location		Monday September 28			Tuesday September 29			Wednesday September 30			Thursday October 1			Friday October 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				9.64	<0.004	<0.5	9.48	<0.005	<0.5	44.2	<0.005	<0.51	26.2	<0.005	<0.51
	East				15.5	<0.004	<0.49	6.65	<0.005	<0.49	26	<0.005	<0.49	31.8	<0.005	<0.57
	South				17	<0.004	<0.48	5.25	<0.005	<0.49	23.8	<0.005	<0.51	37	<0.005	<0.48
	West				14.7	<0.004	<0.51	3.93	<0.005	<0.5	18.4	<0.005	<0.49	34.1	<0.005	<0.51
Sensitive Receptors	Advocate Health				6.29	<0.004	<0.56	2.92	<0.005	<0.52	44.6	<0.005	<0.48	30.2	<0.005	<0.51
	Drake Elementary School				14	<0.005	<0.61	3.17	<0.005	<0.53	51.3	<0.005	<0.51	34.5	<0.005	<0.52
	Prairie Shores Apartments				6.03	<0.004	<0.53	5.8	0.005	<0.51	14.1	<0.005	<0.48	30	<0.005	<0.51
	Pershing Elementary School				ND	<0.005	<0.58	2.22	<0.005	<0.53	54.1	<0.005	<0.5	35	<0.005	<0.52

Comments: _____

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