

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: April 18, 2011

Sample Location		Monday April 18			Tuesday April 19			Wednesday April 20			Thursday April 21			Friday April 22		
		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	7.77	<0.006	<0.54	0.57	<0.006	<0.54	12.2	<0.006	<0.54	24.2	<0.006	<0.53	10	<0.006	<0.54
	East	0.797	<0.005	<0.45	<0.16	<0.005	<0.45	3.4	<0.005	<0.45	17.1	<0.005	<0.45	11*	<0.005	<0.45
	South	6.59	<0.006	<0.53	<0.19	<0.006	<0.53	10.9	<0.006	<0.53	18	<0.006	<0.53	2.63	<0.006	<0.53
	West	8.93	<0.006	<0.5	1.57	<0.006	<0.49	0.35	<0.006	<0.49	19.4	<0.006	<0.49	8.52	<0.006	<0.49
Sensitive Receptors	Advocate Health	7.07	<0.005	<0.45	<0.16	<0.005	<0.45	5.8	<0.005	<0.45	25	<0.005	<0.45	12.4	<0.005	<0.45
	Drake Elementary School	7.59	<0.005	<0.46	1.76	<0.005	<0.45	3.7	<0.005	<0.45	32.9	<0.005	<0.45	22.4	<0.005	<0.45
	Prairie Shores Apartments	<0.16	<0.005	<0.45	2.24	<0.005	<0.45	<0.16*	<0.005	<0.45	22.5	<0.005	<0.45	9.35	<0.005	<0.46
	Pershing Elementary School	7.93	<0.005	<0.46	<0.16	<0.005	<0.45	<0.16*	<0.005	<0.45	32.5*	<0.005	<0.45	15.8*	<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 a 24-hour average and the lead is a quarterly average measured 24 hours per day)