

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **March 14, 2011**

Sample Location		Monday March 14			Tuesday March 15			Wednesday March 16			Thursday March 17			Friday March 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	43			28.2			82.7			53.4			46		
	East	21.2			23.5			55.9			35.9*			40.5		
	South	45.1			41.9			39.8			63.9			40.9		
	West	40.1			28			32.3			14.8			44.6*		
Sensitive Receptors	Advocate Health	20.2			2.53			19.8			11.4			21		
	Drake Elementary School	15.6			23.8			52.7			44.6			37.3		
	Prairie Shores Apartments	10.5			4.89			15.6			40.9			44.8		
	Pershing Elementary School	51			37.1			70.4			66.6*			73.7		

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)