

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: **February 28, 2011**

Sample Location		Monday February 28			Tuesday March 1			Wednesday March 2			Thursday March 3			Friday March 4		
		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	34.8			34.3			45.8			88.1			60.5*		
	East	25.3			36.6			21.7			55			17.1		
	South	54.5			44.7			<0.18			154			56.5		
	West	56.9			57.8			58.4			58			<0.18		
Sensitive Receptors	Advocate Health	36.2			35.1			17.5			39.7			15.5		
	Drake Elementary School	36.6*			40.1			17.3			56.6			41.4		
	Prairie Shores Apartments	28.1			51.5			15.8			85			41.1		
	Pershing Elementary School	75.8			44.1			69.2*			75.1*			38.6		

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)