

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: **February 21, 2010**

Sample Location		Monday February 21			Tuesday February 22			Wednesday February 23			Thursday February 24			Friday February 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	119			164			164			47.1			30.6		
	East	9.31			11.5			23.1			32.5			2.7		
	South	10.6			20.7			22.7			79.4			19.4*		
	West	22.7			65.9			64.3			33.2			8.72		
Sensitive Receptors	Advocate Health	6.66			8.39			22.4			35.7			20.3		
	Drake Elementary School	No Sample Taken			17.9			30.9			39.6			23.1		
	Prairie Shores Apartments	10.3			6.97			38.3			26.9*			11		
	Pershing Elementary School	11.1			37			30.3			46.5			48.8		

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)