

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO  
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
AMBIENT AIR QUALITY MONITORING RESULTS  
WEEK OF: **February 14, 2010**

Sample Location		Monday February 14			Tuesday February 15			Wednesday February 16			Thursday February 17			Friday February 18		
		Respirable Dust ( $\mu\text{g}/\text{m}^3$ ) <sup>a</sup>	Asbestos (s/cc) <sup>b</sup>	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	No Sample Taken			95.1			62.5			19.7			12.4		
	East	19			17.8			46.3			22.5			42.7		
	South	39.1			105			70.1			36.2			15.3		
	West	3.52			90.9			56.3			10.3			27.8		
Sensitive Receptors	Advocate Health	13.8			28.9			32.7			23.6			23.8		
	Drake Elementary School	13.6			38.9			13.8			26.8			21.5		
	Prairie Shores Apartments	12.1			67.2			8.72			56			31.4		
	Pershing Elementary School	48.6			29.9*			50.1			32.5			29.3		

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)