

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO  
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
AMBIENT AIR QUALITY MONITORING RESULTS  
WEEK OF: January 31, 2010

Sample Location		Monday January 31			Tuesday February 1			Wednesday February 2			Thursday February 3			Friday February 4		
		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	18.6			0.731									38		
	East	10.3*			2.95									36.7		
	South	19.2*			2.75*									39.7		
	West	7.98			2.02									**		
Sensitive Receptors	Advocate Health	8.28			0.744									39		
	Drake Elementary School	17.2			3.1*									27.1		
	Prairie Shores Apartments	11.2*			<0.19									36.3		
	Pershing Elementary School	29.1*			4.56*									25.8		
								<b>No Demolition Work Due to Blizzard</b>			<b>No Demolition Work Due to Blizzard</b>					

Comments: \*Damaged Filter. \*\* No sample collected due to snow conditions.

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)