

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **March 21, 2011**

Sample Location		Monday March 21			Tuesday March 22			Wednesday March 23			Thursday March 24			Friday March 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	21.5			14.8			6.81			16.3			10.1		
	East	33			17.9*			9.83*			7.1			2.06		
	South	44.9			19			25.6			15.2			8.45		
	West	11.9			14.4			8.27			12.2			0.939		
Sensitive Receptors	Advocate Health	20.1			16.5			9.88			6.8			5.4		
	Drake Elementary School	32.8			18.6			24			10.0*			9.82		
	Prairie Shores Apartments	30.9			18.6			28			5.7			18*		
	Pershing Elementary School	65.2			23.2			43.6			27.3			19.9		

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)