

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: **March 7, 2011**

Sample Location		Monday March 7			Tuesday March 8			Wednesday March 9			Thursday March 10			Friday March 11		
		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	90.6			11.5			27.6			27.7			52.7		
	East	31.7			32.4*			13.5			15.5			44.3		
	South	41.1			51.5			25.9			35.1			50.5		
	West	14.3			68.9			53.5			18.2			60.6		
Sensitive Receptors	Advocate Health	22.9			98.9			19.1			20.4			31.3*		
	Drake Elementary School	No Sample Taken			37.9			18.6			16.5			37.7		
	Prairie Shores Apartments	45.9			37.6			18			15.7			40.2		
	Pershing Elementary School	41.4			54.8			16.9			46.7*			56		

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)