

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: January 3, 2011

Sample Location		Monday January 3			Tuesday January 4			Wednesday January 5			Thursday January 6			Friday January 7		
		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	24.3	-	-	44.9	-	-	52.3	-	-	48.5	-	-	55.2	-	-
	East	20.3	-	-	29.2	-	-	41.8	-	-	43.8	-	-	47	-	-
	South	24	-	-	27.5*	-	-	52.3	-	-	61.7	-	-	53.8	-	-
	West	25.3	-	-	32	-	-	290**	-	-	41	-	-	39.1*	-	-
Sensitive Receptors	Advocate Health	23.5	-	-	34.5	-	-	46.5	-	-	76.4	-	-	73.9	-	-
	Drake Elementary School	26.7	-	-	33.7	-	-	45.7	-	-	62.8	-	-	37.4	-	-
	Prairie Shores Apartments	-	-	-	-	-	-	-	-	-	43.6*	<0.006	<0.6	79.6	<0.005	<0.45
	Pershing Elementary School	24.9	-	-	22.8	-	-	33.9	-	-	33.7*	-	-	41.8*	-	-

Comments: *Damaged Filter

** Sampling unit located too close to work. Unit relocated to obtain representative samples.

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)