

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: **December 27, 2010**

Sample Location		Monday December 27			Tuesday December 28			Wednesday December 29			Thursday December 30			Friday December 31		
		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	-	-	-	44.9	<0.005	<0.59	61.6	<0.005	<0.52	<0.18	-	-	No Samples Collected No Site Work Due to Holiday		
	East	<0.17	<0.004	<0.47	244*	<0.004	<0.47	38.2	-	-	<0.16	-	-			
	South	41.3	<0.006	<0.67	51.1	<0.005	<0.51	45.5	<0.005	<0.49	22	-	-			
	West	25.8	<0.004	<0.46	34.4	<0.004	<0.46	42.9	-	-	23.9	-	-			
Sensitive Receptors	Advocate Health	32.5	<0.004	<0.46	40.9	<0.004	<0.46	44.5	-	-	19.7	-	-			
	Drake Elementary School	0.981*	<0.004	<0.46	39.3	<0.004	<0.46	46.5	<0.004	<0.46	33.1	-	-			
	Prairie Shores Apartments	-	-	-	-	-	-	-	-	-	-	-	-			
	Pershing Elementary School	30.6	0.004	<0.46	41.7	<0.004	<0.46	43.6	<0.004	<0.46	<0.16	-	-			

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)