

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: January 17, 2010

Sample Location		Monday January 17			Tuesday January 18			Wednesday January 19			Thursday January 20			Friday January 21		
		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	56.8	-	-	28.9	-	-	32.5	-	-	101	-	-	51.0	-	-
	East	42.5	-	-	25.9	-	-	47.4	-	-	80.3	-	-	70.4	-	-
	South	44.8	-	-	25.5	-	-	63.4	-	-	158	-	-	120	-	-
	West	92.8	-	-	28.4	-	-	25.0	-	-	115	-	-	89.2	-	-
Sensitive Receptors	Advocate Health	53.3	-	-	24.9	-	-	27.6	-	-	90.9	-	-	46.5	-	-
	Drake Elementary School	-	-	-	36.3*	-	-	35.2	-	-	89.1	-	-	53.5	-	-
	Prairie Shores Apartments	60.6	-	-	28.0	-	-	37.7	-	-	127	-	-	67.8	-	-
	Pershing Elementary School	47.3	-	-	27.8	-	-	73.7	-	-	118	-	-	56.2	-	-

**No Demolition Work Due to
Extreme Cold Weather**

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)