

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
 AMBIENT AIR QUALITY MONITORING RESULTS
 WEEK OF: **March 28, 2011**

Sample Location		Monday March 28			Tuesday March 29			Wednesday March 30			Thursday March 31			Friday April 1		
		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	1.22			22.9	<0.006	<0.55	79.9	<0.006	<0.54	111	<0.006	<0.54	57.1	<0.006	<0.54
	East	10.6			11.9*	<0.005	<0.45	13.9	<0.005	<0.45	13.5*	<0.005	<0.45	39.6*	<0.005	<0.45
	South	7.83*			<0.2*	<0.007	<0.57	15.7	<0.006	<0.52	18.1*	<0.006	<0.54	50.5	<0.006	<0.54
	West	<0.19*			<0.19	<0.006	<0.54	6.13	<0.006	<0.5	<0.17*	<0.006	<0.49	64.2	<0.006	<0.49
Sensitive Receptors	Advocate Health	15.2			11.5	<0.005	<0.46	16.1	<0.005	<0.46	15.5	<0.005	<0.45	<0.16	<0.005	<0.45
	Drake Elementary School	17.2			9.59*	<0.005	<0.47	14	<0.005	<0.46	11.4	<0.005	<0.45	2.09	<0.005	<0.45
	Prairie Shores Apartments	7.85			<0.16	<0.005	<0.45	31.6	<0.005	<0.45	11.3	<0.005	<0.45	20.1	<0.005	<0.45
	Pershing Elementary School	27.2			22.2	<0.005	<0.47	30.6	<0.005	<0.46	36	<0.005	<0.45	20	<0.005	<0.45

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)