

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO  
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
AMBIENT AIR QUALITY MONITORING RESULTS  
WEEK OF: **May 2, 2011**

Sample Location		Monday May 2			Tuesday May 3			Wednesday May 4			Thursday May 5			Friday May 6		
		Respirable Dust ( $\mu\text{g}/\text{m}^3$ ) <sup>a</sup>	Asbestos (s/cc) <sup>b</sup>	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	67.2	<0.005	<0.47	55.1	<0.006	<0.47	51	<0.006	<0.48	109	<0.005	<0.47	28	<0.006	<0.48
	East	9.51	<0.005	<0.41	78.1	<0.005	<0.41	19.2	<0.005	<0.41	34.3	<0.005	<0.41	17	<0.005	<0.41
	South	66.2	<0.005	<0.47	23.1	<0.005	<0.47	10.9	<0.005	<0.47	86.8	<0.005	<0.47	34.2	<0.005	<0.47
	West	30.8	<0.005	<0.44	76	<0.005	<0.43	68.7	<0.005	<0.44	94.7	<0.005	<0.44	28.2	<0.005	<0.44
Sensitive Receptors	Advocate Health	27.4	<0.005	<0.41	20.7	<0.005	<0.41	20.9	<0.005	<0.41	47.6	<0.005	<0.41	26.6	<0.005	<0.41
	Drake Elementary School	25.5	<0.005	<0.41	16.2	<0.005	<0.41	14.7	<0.005	<0.41	41.5	<0.005	<0.41	21.4	<0.005	<0.41
	Prairie Shores Apartments	22.2	<0.005	<0.41	25.2	<0.005	<0.41	32.5	<0.005	<0.41	43.8	<0.005	<0.41	30.6	<0.005	<0.41
	Pershing Elementary School	24.5	<0.005	<0.41	10*	<0.005	<0.41	10.5	<0.005	<0.41	99.1	<0.005	<0.41	29.7	<0.005	<0.41

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)