

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION
AMBIENT AIR QUALITY MONITORING RESULTS
WEEK OF: April 25, 2011

Sample Location		Monday April 25			Tuesday April 26			Wednesday April 27			Thursday April 28			Friday April 29		
		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	20.5	<0.006	<0.54	13.5	<0.006	<0.48	23.1	<0.006	<0.48	24.4	<0.006	<0.48	38.4	<0.005	<0.47
	East	11.4	<0.005	<0.45	8.22	<0.005	<0.41	15.9	<0.005	<0.41	13	<0.005	<0.41	27.1	<0.005	<0.41
	South	17.5	<0.006	<0.53	9.68	<0.005	<0.47	18.1	<0.005	<0.47	22.4	<0.005	<0.47	66.7	<0.005	<0.47
	West	72.7*	<0.006	<0.5	12.2*	<0.005	<0.44	18.3	<0.005	<0.44	22.6	<0.005	<0.44	31.6	<0.005	<0.44
Sensitive Receptors	Advocate Health	20	<0.005	<0.46	15.6	<0.005	<0.41	15.1	<0.005	<0.41	20.1	<0.005	<0.41	28	<0.005	<0.41
	Drake Elementary School	18.8	<0.005	<0.46	12	<0.005	<0.41	16.4	<0.005	<0.41	18.8	<0.005	<0.41	13	<0.005	<0.41
	Prairie Shores Apartments	16.7	<0.005	<0.45	11.4	<0.005	<0.41	17.8	<0.005	<0.41	19	<0.005	<0.41	22.2	<0.005	<0.41
	Pershing Elementary School	15.9	<0.005	<0.46	12	<0.005	<0.41	17.2*	<0.005	<0.41	14.5*	<0.005	<0.41	54	<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)