

PUBLIC BUILDING COMMISSION OF CHICAGO  
MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
AMBIENT AIR QUALITY MONITORING RESULTS  
WEEK OF: May 9, 2011

Sample Location		Monday May 9			Tuesday May 10			Wednesday May 11			Thursday May 12			Friday May 13		
		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	345	<0.006	<0.48	190	<0.006	<0.48	83.6	<0.006	<0.48	96	<0.006	<0.48	53.9	<0.006	<0.48
	East	42.7	<0.005	<0.41	72.6	<0.005	<0.41	89.2	<0.005	<0.41	70.4	<0.005	<0.41	34	<0.005	<0.41
	South	92.8	<0.005	<0.47	43.2	<0.005	<0.47	No Sample/ Torn Filter	<0.005	<0.47	59.6	<0.005	<0.47	63.2	<0.005	<0.47
	West	59	<0.005	<0.44	93.6	<0.005	<0.44	96.3	<0.005	<0.44	86.1	<0.005	<0.44	50.1	<0.005	<0.44
Sensitive Receptors	Advocate Health	43.2	<0.005	<0.41	69.4	<0.005	<0.41	77.9	<0.005	<0.41	65	<0.005	<0.41	36.7	<0.005	<0.41
	Drake Elementary School	85.6*	<0.005	<0.41	74.2	<0.005	<0.41	84.1	<0.005	<0.41	64.1	<0.005	<0.41	39.3	<0.005	<0.41
	Prairie Shores Apartments	43.5	<0.004	<0.41	114*	<0.005	<0.41	101	<0.005	<0.41	69.5	<0.005	<0.41	39.7	<0.005	<0.41
	Pershing Elementary School	75.8	<0.005	<0.41	95.4*	<0.005	<0.41	81.2	<0.005	<0.41	77.1	<0.005	<0.41	35.5	<0.005	<0.41

Comments: \*Damaged filter

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On May 9<sup>th</sup> and 10<sup>th</sup>, the winds were from the southeast and south and Metra was performing maintenance activities on the railroad tracks.

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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)