

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO  
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
 AMBIENT AIR QUALITY MONITORING RESULTS  
 WEEK OF: **February 7, 2011**

| Sample Location        |                                  | Monday<br>February 7  |                                 |                                      | Tuesday<br>February 8                              |                    |                                      | Wednesday<br>February 9                            |                    |  | Thursday<br>February 10                            |                    |                                      | Friday<br>February 11                              |                    |                                      |
|------------------------|----------------------------------|---|---------------------------------|--------------------------------------|--|--------------------|--------------------------------------|--|--------------------|--|--|--------------------|--------------------------------------|--|--------------------|--------------------------------------|
|                        |                                  | Respirable<br>Dust<br>( $\mu\text{g}/\text{m}^3$ ) <sup>a</sup> | Asbestos<br>(s/cc) <sup>b</sup> | Lead<br>( $\mu\text{g}/\text{m}^3$ ) | Respirable<br>Dust<br>( $\mu\text{g}/\text{m}^3$ ) | Asbestos<br>(s/cc) | Lead<br>( $\mu\text{g}/\text{m}^3$ ) | Respirable<br>Dust<br>( $\mu\text{g}/\text{m}^3$ ) | Asbestos<br>(s/cc) | Lead<br>( $\mu\text{g}/\text{m}^3$ )                               | Respirable<br>Dust<br>( $\mu\text{g}/\text{m}^3$ ) | Asbestos<br>(s/cc) | Lead<br>( $\mu\text{g}/\text{m}^3$ ) | Respirable<br>Dust<br>( $\mu\text{g}/\text{m}^3$ ) | Asbestos<br>(s/cc) | Lead<br>( $\mu\text{g}/\text{m}^3$ ) |
| Perimeter              | North                            | 22.7  |                                 |                                      | 19   |                    |                                      | 60.4   |                    |  |  |                    |                                      | 47.1   |                    |                                      |
|                        | East                             | 29.2  |                                 |                                      | 54.9*  |                    |                                      | 49.9   |                    |  |  |                    |                                      | 77.7   |                    |                                      |
|                        | South                            | 56.9  |                                 |                                      | 51.7   |                    |                                      | 76.4   |                    |  |  |                    |                                      | 144  |                    |                                      |
|                        | West                             | 0.368   |                                 |                                      | 30.6   |                    |                                      | 49.1   |                    |  |  |                    |                                      | 41.5   |                    |                                      |
| Sensitive<br>Receptors | Advocate<br>Health               | 23.3  |                                 |                                      | 22.4   |                    |                                      | 41.7   |                    |  |  |                    |                                      | 88.2   |                    |                                      |
|                        | Drake<br>Elementary<br>School    | 14.3  |                                 |                                      | 19.1   |                    |                                      | 47.6   |                    |  |  |                    |                                      | 85.5   |                    |                                      |
|                        | Prairie Shores<br>Apartments     | 12.4  |                                 |                                      | 22.6   |                    |                                      | 55.9   |                    |  |  |                    |                                      | 56.3   |                    |                                      |
|                        | Pershing<br>Elementary<br>School | 19.6  |                                 |                                      | 49.5   |                    |                                      | 77.3   |                    |  |  |                    |                                      | 42.3   |                    |                                      |
|                        |                                  |   |                                 |                                      |  |                    |                                      |  |                    | No demo work due to extreme cold. Samples recorded for background. |  |                    | No demo work. No samples recorded.   |  |                    |                                      |

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)