

DRAFT

PUBLIC BUILDING COMMISSION OF CHICAGO  
 MICHAEL REESE HOSPITAL ABATEMENT AND DEMOLITION  
 AMBIENT AIR QUALITY MONITORING RESULTS  
 WEEK OF: May 16, 2011

| Sample Location        |                                  | Monday<br>May 16  |                                 |                                      | Tuesday<br>May 17                                  |                    |                                      | Wednesday<br>May 18                                |                    |                                      | Thursday<br>May 19                                 |                    |                                      | Friday<br>May 20                                   |                    |                                      |
|------------------------|----------------------------------|---|---------------------------------|--------------------------------------|--|--------------------|--------------------------------------|--|--------------------|--------------------------------------|--|--------------------|--------------------------------------|--|--------------------|--------------------------------------|
|                        |                                  | 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                            | 14.3  | <0.006                          | <0.48                                | 35.6   | <0.006             | <0.48                                | 14.4   | <0.006             | <0.48                                | 35.8   | <0.006             | <0.48                                | 67.9   | <0.006             | <0.48                                |
|                        | East                             | 12.7  | <0.005                          | <0.41                                | 24.1   | <0.005             | <0.41                                | 13.9   | <0.005             | <0.41                                | 32.5   | <0.005             | <0.41                                | 33   | <0.005             | <0.41                                |
|                        | South                            | 11.2  | <0.005                          | <0.47                                | 12.5*  | <0.005             | <0.47                                | 14.6   | <0.005             | <0.47                                | 43.4   | <0.005             | <0.47                                | 55.5   | <0.005             | <0.47                                |
|                        | West                             | 17.5  | <0.005                          | <0.44                                | 35.5   | <0.005             | <0.44                                | 18.9   | <0.005             | <0.44                                | 76.4   | <0.005             | <0.44                                | 49.8   | <0.005             | <0.44                                |
| Sensitive<br>Receptors | Advocate<br>Health               | 20.9*   | <0.005                          | <0.41                                | 25.4   | <0.005             | <0.41                                | 19.8*  | <0.005             | <0.41                                | 36.7   | <0.005             | <0.41                                | 40.5*  | <0.005             | <0.41                                |
|                        | Drake<br>Elementary<br>School    | 12.1  | <0.005                          | <0.41                                | 13.5   | <0.005             | <0.41                                | 15.5   | <0.005             | <0.41                                | 24.9   | <0.005             | <0.41                                | 36.8   | <0.005             | <0.41                                |
|                        | Prairie Shores<br>Apartments     | 11.9  | <0.005                          | <0.41                                | 13.3   | <0.005             | <0.41                                | 13.8   | <0.005             | <0.41                                | 42.6   | <0.005             | <0.41                                | 40.3   | <0.005             | <0.41                                |
|                        | Pershing<br>Elementary<br>School | 15.5  | <0.005                          | <0.41                                | 16.1   | <0.005             | <0.41                                | 13.5*  | <0.005             | <0.41                                | 34.7   | <0.005             | <0.41                                | 49.5   | <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)