

5/14/2009

## Sinter Plant building Min/Max door inflows

These numbers reflect the low and high operating and non operating scenarios

\* Bold items are items to complete per study findings

|   | (fpm)                |               |  |
|---|----------------------|---------------|--|
|   | Low<br>Pt            | High<br>Pt    |  |
| {< measure @ <= 5 mph wind day}                                 |                      |               |  |
| <b>S1</b> Man door on 4th floor west of Control Rm.             | intermittent outflow |               | <b>Installing Quality door, seals and lockout procedure by 7/30/09</b>                                   |
| <b>S2</b> Man door on 4th floor east of Control Rm              | Interior door        | Interior door | Not applicable, Interior door to conveyor belt area.   |
| <b>S3</b> Northwest Man door at ESP unit                        | intermittent outflow |               | <b>Install Double door air lock by 7/30/09</b><br>Did not take number due to above plan                  |
| <b>S4</b> Southwest Man door at ESP unit                        | intermittent outflow |               | This door opening has been sealed with building side paneling.   |
| <b>S5</b> South end Man door on 4th floor                       | intermittent outflow |               | <b>Installing Quality door, seals and lockout procedure by 7/30/09</b>                                   |
| <b>S6</b> Southeast Man door 4th floor at Cooler bghse          | 246                  | 441           | <b>Putting in a Double door air lock by 7/30/09</b>  |
| <b>S7</b> East Man door 2nd floor at Cooler baghouse North end. | 126                  | 720           | <b>Has steel bulkhead-style door. Install weatherstrip, add seals and lock-out procedure by 8/30/09.</b> |
| <b>S8</b> Northwest Man door to mix room                        | 301                  | 683           | Now, sealed with siding panel  |
| <b>S9</b> Middle Man door to mix room 2nd floor                 | 221                  | 772           |  |
| <b>S10</b> Southwest Man door to RD2 North of RD5               | 256                  | 394           |  |
| <b>S11</b> Upsairs Man door on Mix room northeast side          | not sinter plant     |               | <b>To be permanently sealed by 7/30/09</b><br>Mix room settling chamber door.                            |
| <b>S12</b> Mix room Northwest side #1 man door upstairs         | 232                  | 258           | Mix room settling chamber door, N/A (separated by siding and floor)                                      |
| <b>S13</b> Mix room Northwest side #2 man door upstairs         | 217                  | 240           | This upstairs area is not connected to Sinter plant Separated by siding and floor.                       |
| <b>S14</b> Mix Room East Middle Man door upstairs               | 145                  | 455           | This upstairs area is not connected to Sinter plant Separated by siding and floor.                       |
| <b>S15</b> Mixing Room Northwest Man door #3 upstairs           | not sinter plant     |               | Mix room settling chamber door, N/A, previously no inflow readings (separated by siding and floor)       |
| <b>S16</b> East mix room man door upstairs to RD-2              | 350                  | 813 *         | Sinter plant exterior door to interior of mix room.<br>* from 6/3/08 EPA survey                          |
| <b>S17</b> Southwest man door upstairs in mixing room           | 236                  | 293           | Mix room settling chamber door, N/A, previously no inflow readings (separated by siding and floor)       |
| <b>S18</b> South mix room man door upstairs                     | 272                  | 311           | Mix room settling chamber door, N/A, previously no inflow readings (separated by siding and floor)       |
| <b>S19</b> Man door South of top side of 76" Rolls              | 238                  | 388           |  |
| <b>S20</b> South man door Bottom of mixing room                 | 280                  | 652           |  |
| <b>S21</b> Man door east of #5 bin in mix room to Sinter Plant  | 224                  | 345           | <b>Will seal with siding panel by 7/30/09</b>  |
| <b>S22</b> Northwest man door @ bottom of mix room              | 240                  | 701           |  |

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| {< measure @ <= 5 mph wind day}                            | (fpm)    | (fpm)   |  |
|--|----------|---------|--|
|  | Low Pt   | High Pt |  |
| <b>S23</b> Northeast man door @ bottom of mixing room      | 238      | 585     |  |
| <b>S24</b> Main equipment door bottom floor North end      | 240      | 640     | <b>Automatic Roll-up door to be installed by 7/30/09</b>   |
| <b>S25</b> #1 west man door from North on Bottom floor     | N/A      | N/A     | This area is sealed off from the sinter plant by a wall.   |
| <b>S26</b> #3 west man door from North on Bottom floor     | 396      | 585     | No longer an exterior door, wall section opened to ventilate lower level mix room to sinter plant. |
| <b>S27</b> East man door on bottom floor @ 12 fan          | 217      | 644     |  |
| <b>S28</b> #4 west side man door on bottom floor           | 297      | 482     | <b>Will seal with siding panel by 7/30/09</b>  |
| <b>S29</b> Equip. doors East side Bottom floor under FE-11 | 285      | 628     |  |
| <b>S30</b> Southeast man door @ Head of CV-37-B            | 282      | 579     |  |
| <b>S31</b> South equipment doors @ tail of CV-23           | 171, 211 | 528     | Additional Vinyl strip curtains were installed   |
| <b>S32</b> South equipment doors under 76" rolls           | 132, 203 | 425     | Additional Vinyl strip curtains were installed   |
| <b>S33</b> Man door at top of 150 ton bin                  | 219      | 380     |  |
| <b>S34</b> SE man door at middle of CV-37-B                | 313      | 821     |  |

Days Measurements were taken for lowest and highest door inflow measurements (fpm)

10/21/2008, 11/21/08, 12/3/2008, 3/27/09, 5/12/09, 5/13/09, 5/12/09, 5/13/09