**U.S. ENVIRONMENTAL PROTECTION AGENCY**
**Region VI**

**West Fertilizer Plant Explosion**
**Summary of Air Monitoring Data**
**Reporting Period 4/28/2013**

A summary of the air monitoring data collected during this reporting period is provided below. EPA monitored for ammonia (NH3) and volatile organic compounds (VOCs).

**Table 1 - Summary of Fixed Air Monitoring Location C (1 hour averages)**

| Collection Date | Collection Time | Parameter | Average Concentration | Units |
|---|---|---|---|---|
| 2013-04-28 | 8:00 - 9:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 8:00 - 9:00 | VOC | 0.17 | ppm |
| 2013-04-28 | 9:00 - 10:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 9:00 - 10:00 | VOC | 0.05 | ppm |
| 2013-04-28 | 10:00 - 11:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 10:00 - 11:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 11:00 - 12:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 11:00 - 12:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 12:00 - 13:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 12:00 - 13:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 13:00 - 14:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 13:00 - 14:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 14:00 - 15:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 14:00 - 15:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 15:00 - 16:00 | NH3 | 0.00 | ppm |
| 2013-04-28 | 15:00 - 16:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 16:00 - 17:00 | NH3 | 0.13 | ppm |
| 2013-04-28 | 16:00 - 17:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 17:00 - 18:00 | NH3 | 0.18 | ppm |
| 2013-04-28 | 17:00 - 18:00 | VOC | 0.00 | ppm |
| 2013-04-28 | 18:00 - 19:00 | NH3 | 0.19 | ppm |
| 2013-04-28 | 18:00 - 19:00 | VOC | 0.00 | ppm |

*NH3 = Ammonia, VOC = Total Volatile Organic Compounds

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**Table 2 - Summary of Fixed Air Monitoring Location C (4 hour averages)**

| Collection Date | Collection Time | Parameter | Average Concentration | Units |
|---|---|---|---|---|
| 4/28/2013 | 09:00 - 13:00 | NH3 | 0.00 | ppm |
| | | VOC | 0.00 | ppm |
| | 13:00 - 17:00 | NH3 | 0.04 | ppm |
| | | VOC | 0.01 | ppm |

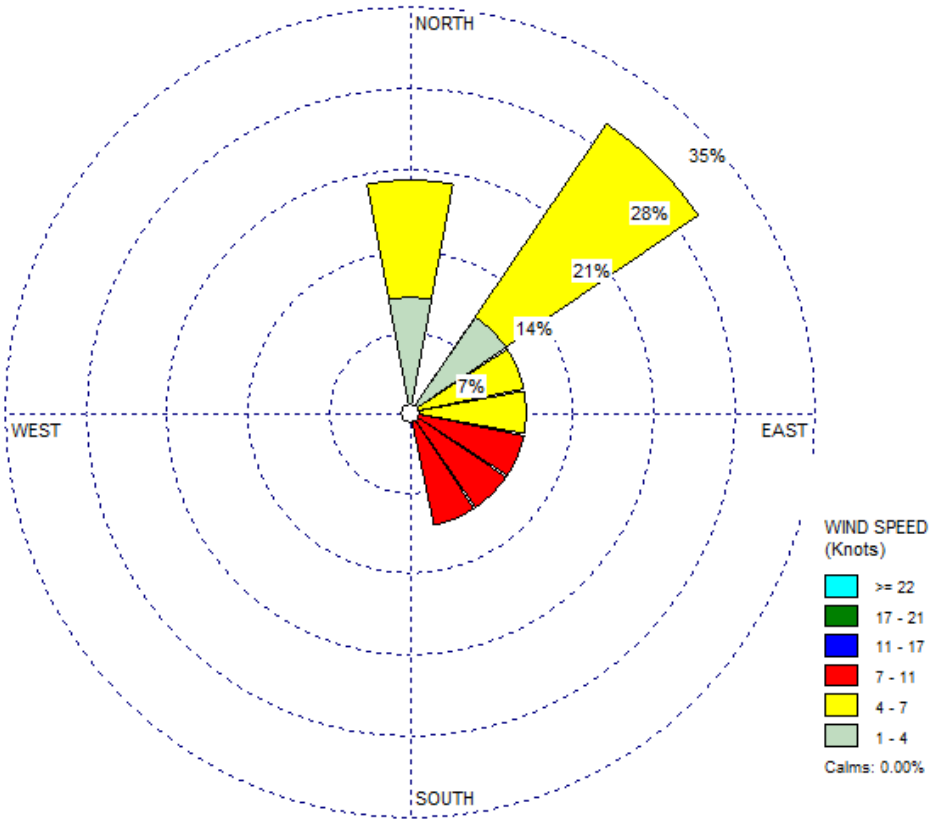
**Table 3 - Summary of Fixed Air Monitoring Location C (8 hour averages)**

| Collection Date | Collection Time | Parameter | Average Concentration | Units |
|---|---|---|---|---|
| 4/28/2013 | 09:00 - 17:00 | NH3 | 0.02 | ppm |
| | | VOC | 0.01 | ppm |

*NH3 = Ammonia, VOC = Total Volatile Organic Compounds

**Figure 1 - Fixed Air Monitoring Locations**

**Figure 2 - Wind History Figure for Waco Regional Airport (blowing from)**



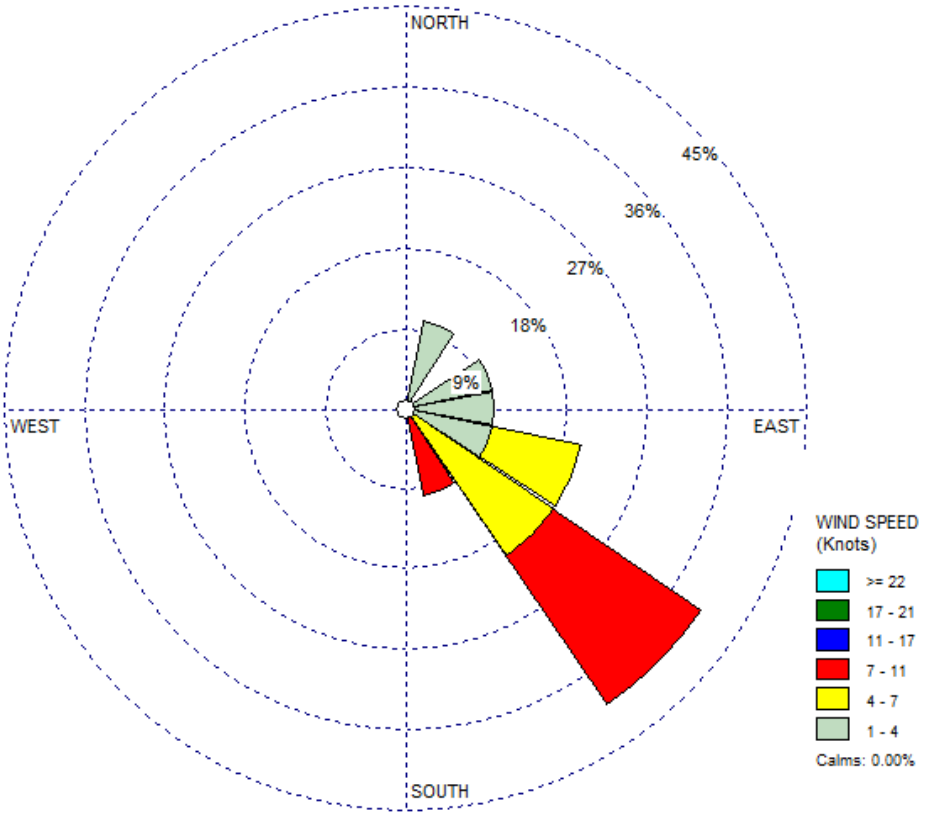


**Figure 3 - Wind History Figure for Hillsboro Municipal Airport (blowing from)**