

Sherwin-Williams Site Cleanup

Emeryville, California

Jan 5, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of December 26 and going through December 30, 2011. Monday and Tuesday were non-work days. Following is a brief overview of site activities occurring during this period and a discussion of air monitoring results compared to site action levels. Charts and figures are attached which show running averages for Respirable Particulate Matter of 10 micrometers or less (RPM₁₀) running averages; Total Volatile Organic Compounds (TVOC) running averages; and wind speed and direction.

Site Activities

Site activities for the week included:

- Dust controls (water, plastic sheeting for stockpiles and street sweeping) were applied to excavation, stockpiles and exclusion work areas;
- Operation of street sweeper onsite on paved areas; truck exit ramp, Halleck Truck route and on adjacent roads surrounding the site during periods of truck import and export;
- Loading and export of 20 truck loads (approx. 450 tons) of concrete for transport to local recycling center;
- Imported 201 truckloads (approx. 4,000 tons) of soil for placement of lower hydraulic conductivity (low K) backfill materials;
- Loading and export of 138 trucks (approx. 3,500 tons) of non-hazardous material for transport to local landfills;
- The remaining three vadose zone “hot spot” excavations occurred on December 30. Hot spots SA-AH-01 (next to Bldg 31), CDM-SB50 (west of excavation) and SB-7AB (north west of excavation) were excavated to elevation +10 ft for hot spot side wall soil sampling. The material (~ 30 CY) was stockpiled in zone E and covered with plastic sheeting;
- At approximately elevation +12 ft in hot spot SA-AH-01 a section of a former 6” dia. fire suppressant water line was encountered during excavation. Soil in the excavation was observed to be visible contaminated with oily residue. Slight petroleum odors were noted. PID readings were taken, and VOCs detected were not above safety action levels. No elevated VOCs were detected at perimeter air monitoring stations. The section of pipe in the hot spot was removed. The remaining ends of the pipe outside of the hot spot will be plugged with concrete once backfilling of the hot spot begins;
- Compaction testing was performed and met earthwork construction specification of minimum 95% of the maximum dry density of the backfill material above the water table and 90% maximum density below the water table;
- Analytical testing of stockpiled waste material occurred during the week for characterization of material for disposal;

- For the interceptor trench, risers were removed. The sides of the trench were sloped to correct grade. Metal utility tape and geo fabric were placed on top of drain gravel that was previously placed on top of the pipe. Dirt was placed on top of fabric to hold it down until backfilling begins;
- Covered new waste stockpiles with plastic and pinned down with sandbags and soil. Existing stockpile of CAT3 material continues to have Hydroseal cover.

Air Monitoring and Sampling

- Daily calculation of perimeter air action levels was performed, based on background conditions and level of source material being excavated from December 28 to December 30;
- Daily calibration of the seven perimeter AMS locations was performed on December 28 and December 29;
- Daily perimeter real time air monitoring at seven AMS locations for RPM₁₀ and Total volatile organic compounds (TVOCs) from December 28 to December 30;
- Daily meteorological data is collected on site and wind speed and direction is calculated in real time to determine upwind and downwind direction. A wind rose for the week is provided below;
- Higher than average 4 hour rolling average RPM₁₀ levels were noted site-wide throughout the week. High levels were due to hazy conditions and high particulate levels regionally, as well as high relative humidity levels (RH) that coincided with low wind-speeds.
- On December 29, higher PM₁₀ levels were observed at AMS #5 due to sorting and loading for export of concrete near AMS#5. In each instance dust control was provided by wetting the area. PM₁₀ levels subsequently dropped.
- On December 30, the battery for AMS 4 failed due to lack of enough sunlight to the station. AMS 4 was subsequently switched from solar power to electricity supplied via extension cord.
- Running averages for TVOC and RPM₁₀ since the start of the project continue to be below their respective action levels at all AMSs. Charts for the running average for TVOCs and PM₁₀ are provided below.

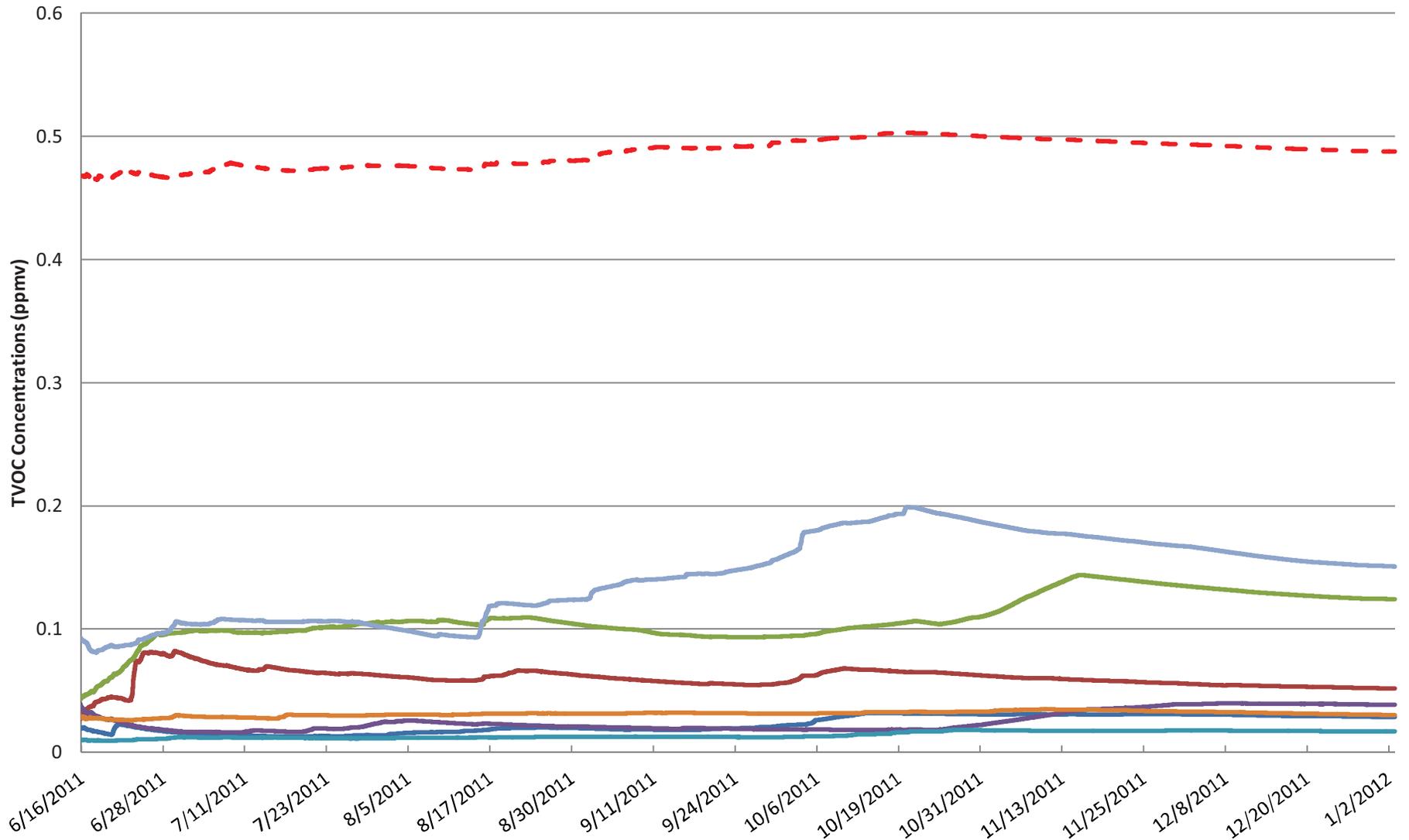
If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

CDM Smith Inc.

TVOC Running Average 06/16/2011 through 1/2/2012

Station 1 Station 2 Station 3 Station 4 Station 5 Station 6 Station 7 Subchronic Action Level

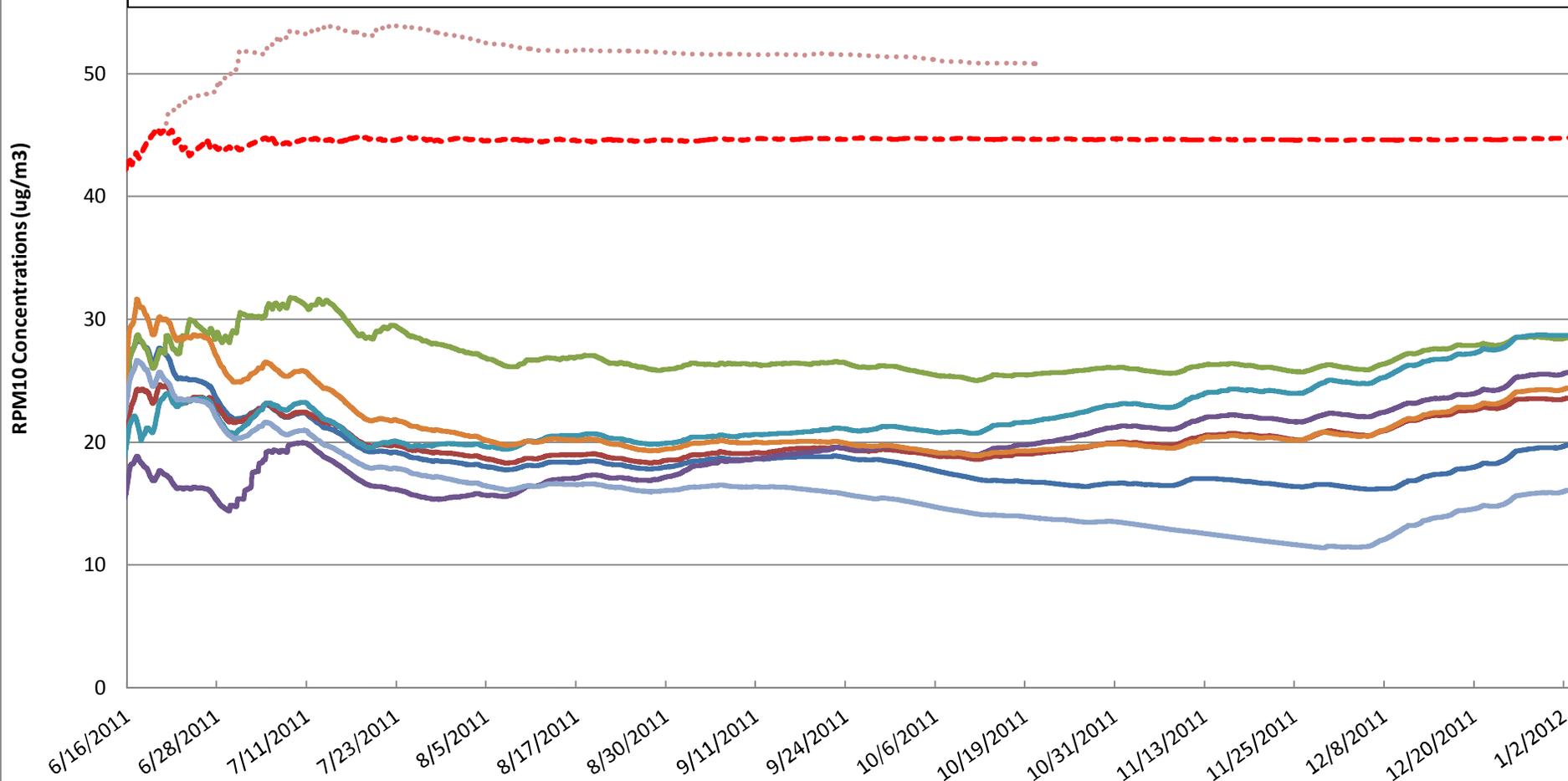
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)



RPM10 Running Average 06/16/2011 through 1/2/2012

- Station 1 (no misters)
- Station 2 (no misters)
- Station 3 (includes misters)
- Station 4 (no misters)
- Station 5 (no misters)
- Station 6 (no misters)
- Station 7 (no misters)
- Subchronic Action Level with misters
- - - Subchronic Action Level without misters

Note: 12/30/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Vadose Zone (16) Action level for non working hours & weekend=50 (BAAQMD Regulatory value)
 Misters use ceased on 10/20/2011 and did not recommence. Mister delta is no longer taken into account for calculation of the Subchronic-Action Level from that point forward.

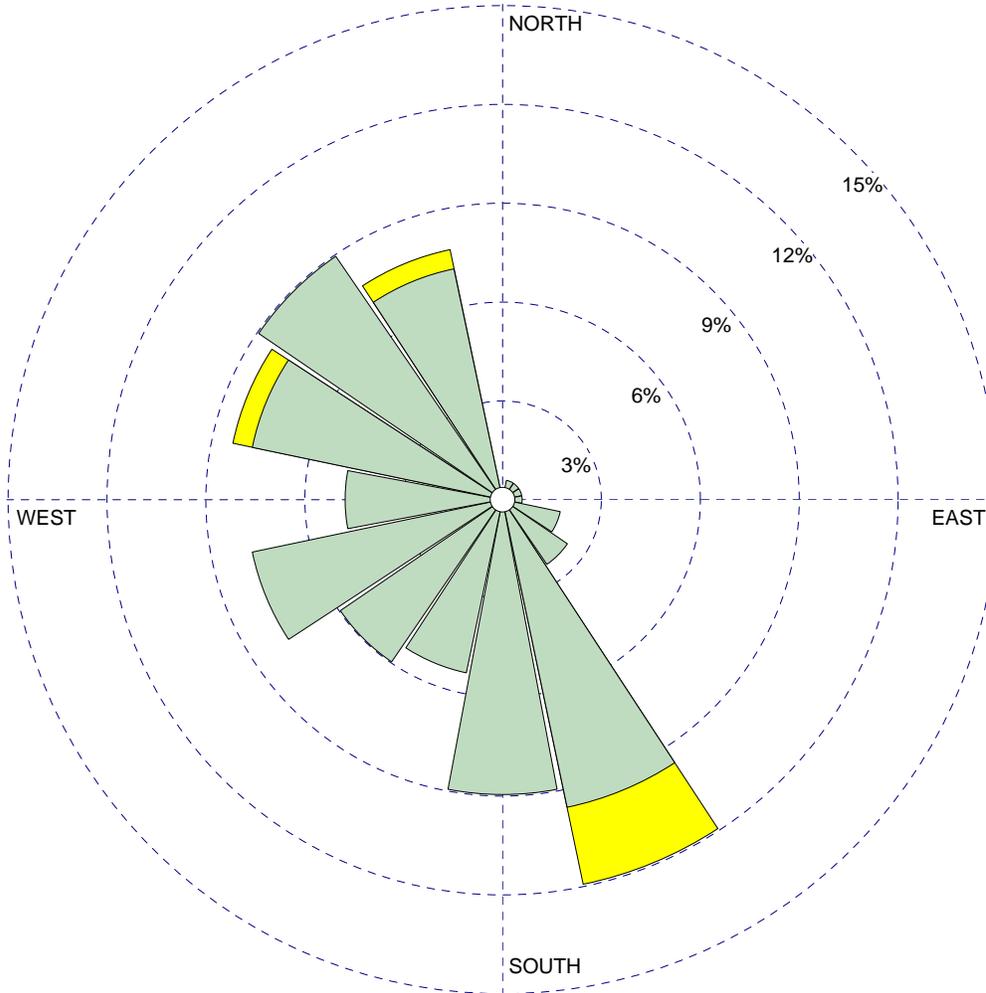


WIND ROSE PLOT:

Station #SW

DISPLAY:

**Wind Speed
Direction (blowing from)**



WIND SPEED
(m/s)

- 5.5 - 6.9
- 3.9 - 5.4
- 2.4 - 3.8
- 1.9 - 2.3
- 1.4 - 1.8
- < 1.4

Calms: 5.94%

COMMENTS:

DATA PERIOD:

**Start Date: 12/25/2011 - 22:00
End Date: 1/1/2012 - 21:00**

COMPANY NAME:

MODELER:

CALM WINDS:

5.94%

TOTAL COUNT:

168 hrs.

AVG. WIND SPEED:

0.88 m/s

DATE:

1/3/2012

PROJECT NO.: