

Sherwin-Williams Site Cleanup

Emeryville, California

Oct 12, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of October 3 and going through October 7, 2011. 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 include:

- Dust, odor and vapor controls (water, odex misters, T-200, Hydroseal and street sweeping) were applied to excavation, stockpiles and exclusion work areas;
- Misters were not operated from October 4 to October 7 due to rainy/damp conditions.
- Operation of street sweeper onsite on paved areas; truck exit ramp, Halleck Truck route and on adjacent roads surrounding the site;
- Loading of stockpiled non-hazardous material into 208 trucks for transport to local landfills;
- Loading of California regulated hazardous waste (CAT₂) into 71 railcars for transport to ECDC landfill in East Carbon, Utah; The was the six unit train of CAT₂ waste shipped from the site.
- Backfilling and compaction into the excavation of 29,000 cubic yards of low permeable soil in 6 to 12 inch lifts. The initial lift ranges from 2.5 feet to 3 feet on the bottom of the un-compacted excavation at elev. -11;
- Compaction testing was performed and met earthwork construction specification of minimum 90% of the maximum dry density of the backfill material;
- Imported and stockpiled 169 truckloads of soil for placement as the lower hydraulic conductivity (low K) backfill fill materials.
- The existing slurry wall (elev. +8 and below) along the eastern and upgradient area of the excavation continues to remain in place to control water inflow. The area is separated by a diversion ditch on the down gradient toe of the slope. Water is pumped from this diversion ditch into the main dewatering sumps. Removal of this material is schedule to begin excavation during the second to third week in October.
- Analytical testing of stockpiled waste material occurred during the week for characterization of material for disposal;
- Excavation dewatering was performed from three primary sumps ranging in elevation 3 to -9.5. Additional dewatering was performed from trenches and excavation areas by pumping or draining these areas into the primary sumps where the water is pumped into the onsite pre-treatment system. Treated water from the dewatering system is



discharged into the local POTW per the requirements of the Site's EBMUD discharge permit; Discharge was suspended for a 24 hour period the beginning of the week due to rain.

Air Monitoring and Sampling

- Daily calculation of perimeter air action levels was performed, based on background conditions, contributing misting dust controls and level of source material being excavated.;
- Daily calibration of the seven perimeter AMS locations was performed;
- Daily perimeter real time air monitoring at seven AMS locations for RPM10 and TVOCs;
- 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.
- No exceedances of air quality standards occurred during the week. Aerosol particles less than 10 micrometers from the perimeter mister lines are being measured in the dust monitors at the site perimeter. To account for the influence of the misters on the RPM10 levels for October 3, a delta value was added to the action level of Air Monitoring Station (AMS) #3 and the station directly downwind to AMS#3. This approach has been validated by air sample collection and analysis. Subsequent 4 hour rolling averages for RPM10 have been below the action levels at all AMSs. 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 RPM10 are provided below.

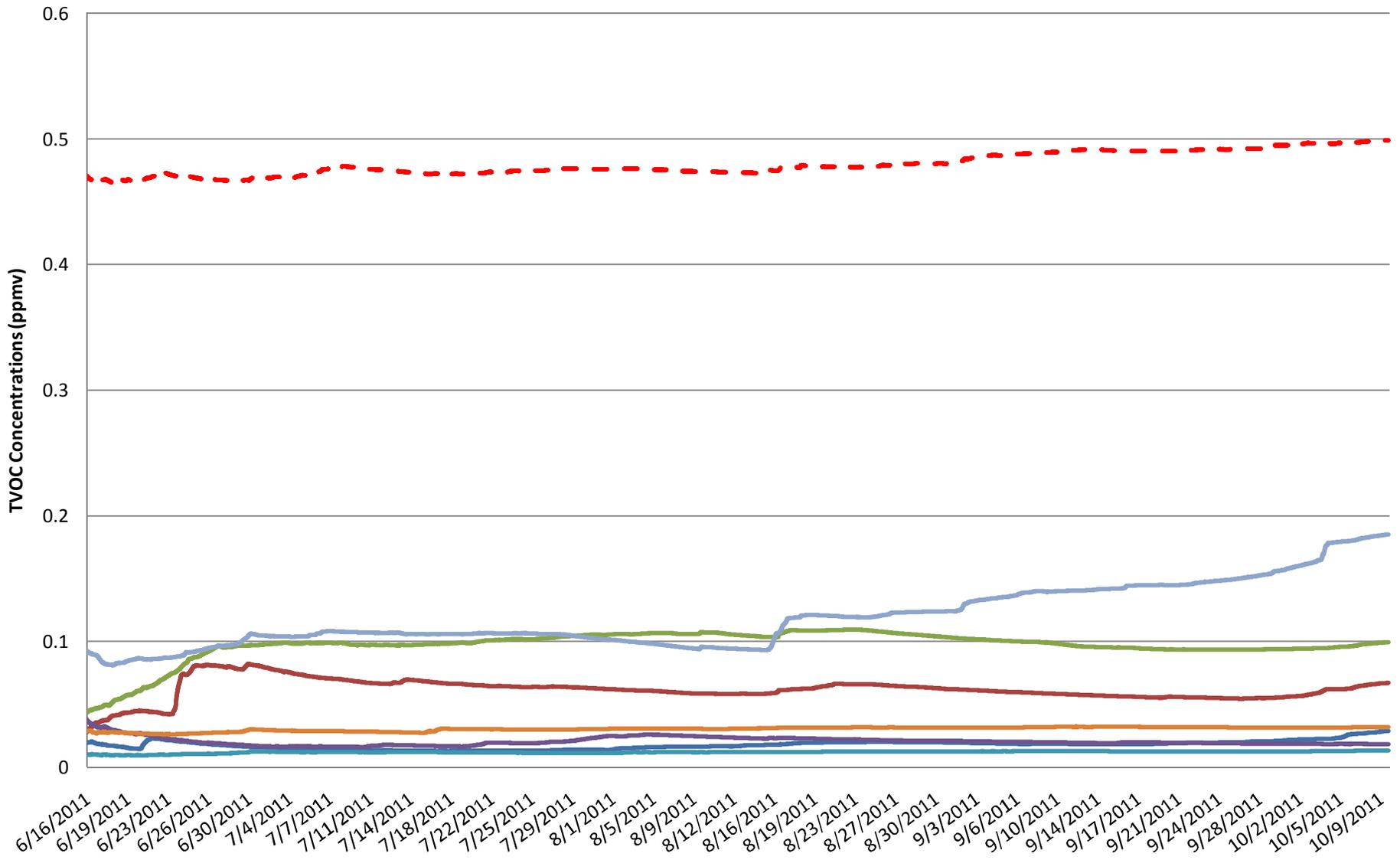
If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

Camp Dresser & McKee Inc.

TVOC Running Average Since 06/16/11

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

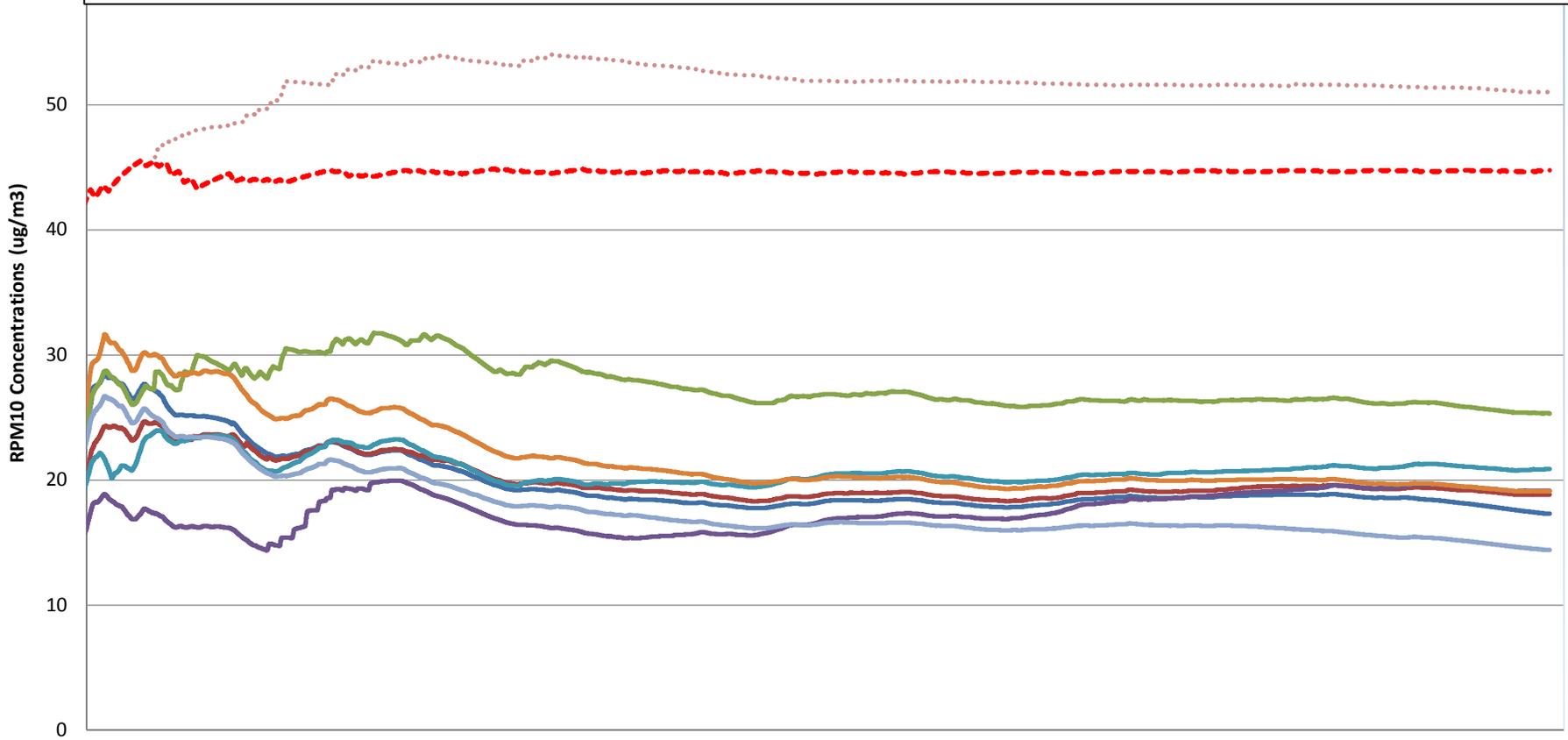
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)



RPM10 Running Average Since 06/16/11

- 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: 10/7/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone(17)
 +Mister effects(today's values 7:30AM-12:30PM: 0 12:30PM-9:30PM: 0)
 Action level for non working hours & weekend=50 (BAAQMD Regulatory value)



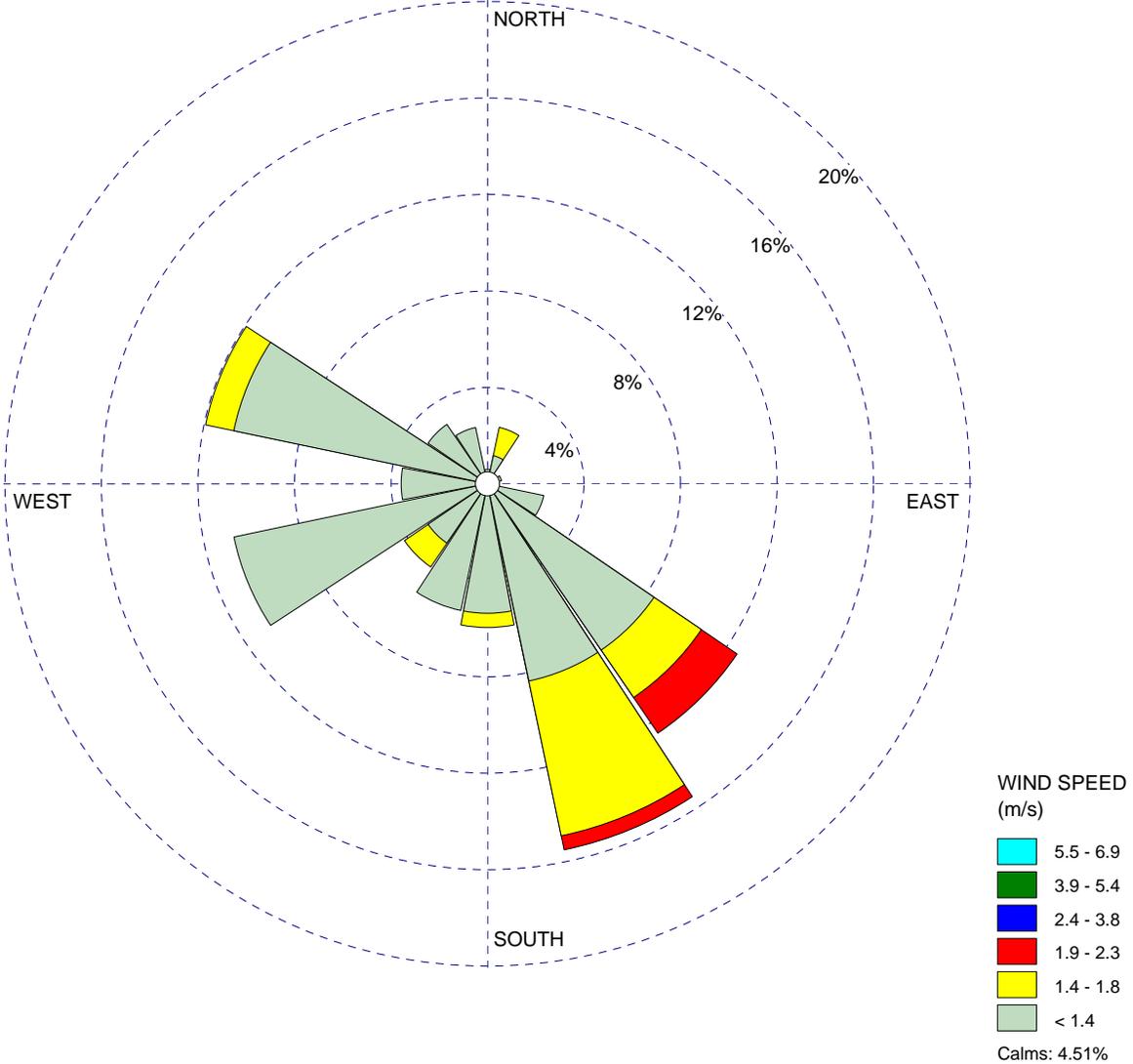
6/16/2011 6/19/2011 6/23/2011 6/26/2011 6/30/2011 7/4/2011 7/7/2011 7/11/2011 7/14/2011 7/18/2011 7/22/2011 7/25/2011 7/29/2011 8/1/2011 8/5/2011 8/9/2011 8/12/2011 8/16/2011 8/19/2011 8/23/2011 8/27/2011 8/30/2011 9/3/2011 9/6/2011 9/10/2011 9/14/2011 9/17/2011 9/21/2011 9/24/2011 9/28/2011 10/2/2011 10/5/2011 10/9/2011

WIND ROSE PLOT:

Station #SW

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 10/2/2011 - 21:00
End Date: 10/9/2011 - 21:00

COMPANY NAME:

MODELER:

CALM WINDS:

4.51%

TOTAL COUNT:

168 hrs.

AVG. WIND SPEED:

1.27 m/s

DATE:

10/10/2011

PROJECT NO.: