

**Monthly Project Activities Summary Report**  
**Sherwin-Williams Emeryville Facility, Emeryville, CA**  
**Per DTSC Order IS/E 05/06-007**  
**JUNE 2011**

**1. Community Safety Plan**

Current version is always available at the DTSC Envirostor, [click here](#).

Current version was last updated on April 26, 2011 with the following updates made:

- Attachment 2 – Key Community Contacts List added

**2. Soil Excavation, Off-Site Transport and Water Treatment**

The following pre-excavation activities were performed at the Site during June.

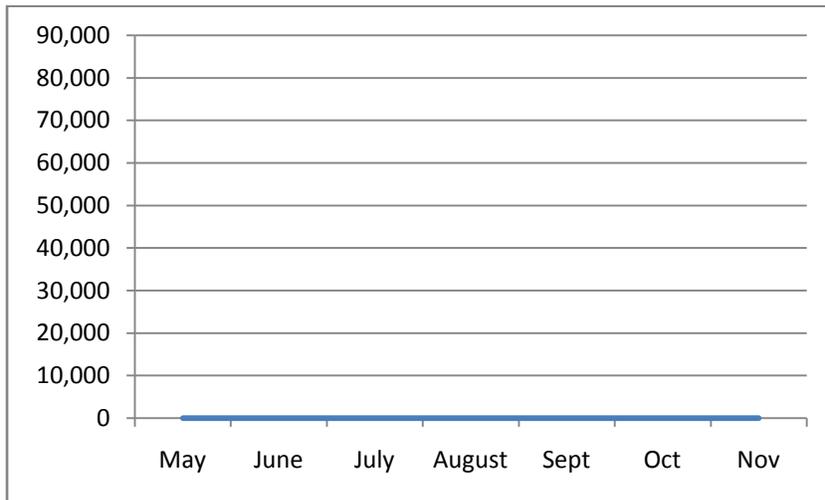
- Soil vapor extraction and treatment continued into June and was discontinued during the first week of excavation on June 23;
- Perimeter Air Monitoring was installed and initiated on June 16. Seven air monitoring stations surround the site and measure respirable particulate matter less than 10 micrometers (RMP10) in size and total volatile organic compounds (TVOC) concentrations continuously. A weather station is operating and monitoring wind speed and direction, temperature and relative humidity. Perimeter Air Monitoring for June 2011 is presented below.
- A new rail line spur was installed on the site for the loading and transport of hazardous material to offsite facilities via the railroad.
- Dust and vapor control measures were installed and operated during working hours. Control measures include: windscreens, water spray/mist systems, and dust suppressants.
- Construction of the dewatering and treatment system continued and is anticipated to be completed prior to encountering groundwater in the excavation area. Testing of this treatment system in accordance with the EBMUD discharge requirements was initiated.

DTSC approval was given on June 8, 2011 to begin excavation of material.

- Excavation of concrete, asphalt and near surface soils for the installation of the new railroad spur began on June 17, 2011.
- The first phase of the excavation of hazardous material began in the raised cap area on June 22 (Excavation Layer 1). It was completed on June 28 (Figure 1). Stockpiling of excavated material was segregated by material types. The first load of material was placed into railcars on June 30. The transport of loaded rail cars will start on July 6. Trucks for non-hazardous material to the disposal facilities will began on July 18. The second phase of excavation began in the vadose zone on June 30 and is expected to continue through July (Excavation Layer 2; Figure 2).

- As part of implementation of the site construction Storm Water Pollution Prevention Plan, the existing storm water management system was modified. The catch basin closest to Temescal Creek was filled with concrete to assure that no onsite water would be released to the creek. The catch basin was previously plugged with a temporary inflatable plug and a sump pump installed to divert water away from the plug.
- The existing NPDES groundwater treatment system operations and monitoring were conducted in accordance with the NPDES requirements. Discharge from this system was discontinued at the end of June with the abandonment of the site extraction wells to prepare for remedial action.

Soil transported off-site (in accumulated tons by month):



Total truck loads out:   0   in past month;   0   total

Total rail car loads out:   0   in past month;   0   total.

### 3. **Perimeter Air Monitoring Results**

- Perimeter real-time air monitoring for dust and total volatile organics were initiated with the start of excavation work at the site on June 16, 2011.
- Results from arsenic and lead air samples collected to date have been below their respective performance standards.

- Results from volatile organics air samples collected to date have been below their respective performance standards, except benzene. Benzene has been sporadically present above its performance standard in air samples, but within background concentrations that were measured prior to the start of Site activities in late January 2011. Additional background sampling for benzene will be conducted at the site to more definitively assess protection of the surrounding community from VOCs originating from the excavation.
- The consistent air monitoring results and supporting laboratory analyses below the performance standards demonstrate that dust and vapor control measures implemented with the start of excavation have been sufficient to maintain protection of the surrounding community from site contaminants.
- These consistent laboratory results below the performance standards support the dust and total volatile organics monitoring approach of using real time action levels for maintaining protection of the surrounding community from site contaminants as shown in Figures 3 and 4 respectively.
- Wind rose data is generated daily from the site weather data station. A cumulative wind rose for the month of June is shown in Figure 5.
- Daily and weekly reports presenting the real time perimeter air monitoring results have been posted to the DTSC website and the community board at the site.

#### 4. **Noise & Vibration Monitoring Results**

- Noise and vibration monitoring was conducted with the start of the onsite construction activity and PG&E construction activity on Horton Street on June 16, 17, and 20, 2011. Temporary monitoring stations were placed on the Novartis parking lot adjacent to the SW property line, along Horton Street adjacent to either side of the PG&E work, and on corner of Sherwin and Hubbard Streets. The noise and vibration levels measured at these locations associated with construction activities were in compliance with applicable limits.
- Noise and vibration monitoring is scheduled to be conducted during the installation of the shoring system along Horton Street sidewalk through mid-July 2011. The installation of the shoring system is the remedy activity that can produce the highest potential levels of noise and/or vibration for the surrounding community.

## 5. **Other Project News**

- The sidewalk canopy was installed along Horton St. A call for Haiku submission was sent out and the winning selections were added to the painted boards surfacing the canopy structure. Mural artwork was added to the boards facing the sidewalk on each end.
- The PG&E gas transmission line running down the sidewalk next to the excavation area was decommissioned and the service to neighboring properties was relocated to the gas line located on 45th Street.

## 6. **Coming Up Next in July**

- The installation of the shoring wall along Horton will occur during the first two weeks in July.
- The excavation of the vadose zone material in the cap area is schedule to be complete by the end of July.
- The truck access and ramp at the entrance off Halleck Street will be constructed in July.
- Clean backfill material will be brought onto the site by trucks beginning in the third week in July.
- The traffic control plan will be operational in July. This includes the changes to the stop signs on the corner of Halleck and Park Streets. These have been switched to avoid the stopping and acceleration of diesel trucks, thus lowering the noise and emissions caused by stopping and accelerating.
- Groundwater dewatering is schedule to begin during the last week in July.
- Dust and vapor control and air monitoring will continue throughout the month of July.

## 7. **Communication**

- A work notice was distributed by mail and email on the 10th of the month on the planned activities upcoming for June.
- A community open house meeting was held at Emeryville City Hall on June 30 to discuss activities that had occurred at the site and address any community concerns or questions.

## 8. Community Telephone Complaint Hotline

- Four calls were received during the month of June. The nature of the calls and the follow up information that was provided are listed below:

*What is being sprayed into the air?* This is a dust control made up of 600 to 800 parts water to one part Odex solution. This is a food grade product. The information sheet for Odex is posted on the Community Bulletin Board on the corner of Sherwin Street and Horton Street.

*Truck are arriving at 6:30 a.m. and idling for 15 minutes.* This was a one time delivery of supplies. The driver was instructed if any future deliveries were made they needed to be after 7 a.m.

*There is a lot of noise. Guys are pulling up at 6:30a.m. and talking loudly.* This was determined to be the work being done on Horton Street. by PG&E. We discussed the complaint with the PG&E workers.

*The daily air monitoring updates are behind.* Updates were posted to the DTSC website and the Sherwin Williams building community board. The format for the first week of monitoring data was being adjusted to account for the aerosol from the misters showing up in the dust measurements (PM10 readings). This has been adjusted accordingly with DTSC's approval and updates are now regularly posted.

*The streets are dirty.* The project is dedicated to keeping the material within the site from being track onto the streets. We will have regular street sweeping, decontamination stations for trucks leaving the site and regular inspections of the street.

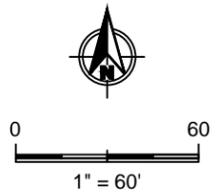
**For Project information, contact:**

**Nathan Schumacher, DTSC: 866-495-5651 (Mon-Friday, work hours)**

**To register a concern/complaint about the project activities, contact:**

**Project Complaint Hotline: 866-848-5307 (24 hrs/day)**

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	0 Tons	3,744 Tons	541 Tons	210 Tons	0 Tons	159 Tons	746 Tons	638 Tons
0 CY	0 CY	0 CY	1,950 CY	282 CY	109 CY	0 CY	83 CY	389 CY	332 CY



**LEGEND**

1 Grid Location  
 25' x 25' x 4' = 93 BCY  
 Axis  
 X = Rows A-O  
 Y = Columns 1-14  
 Z = Elevation at Bottom of Excavation

**Waste Categorization**

- Category 0-A: Non-Hazardous Class II Daily Cover, possible direct-load based on in-place non-haz and arsenic below 24 mg/kg, actual landfill criteria not known
- Category 1-A: Non-Hazardous Class II, possible direct-load based on in-place data, Bay Area landfills, truck
- Category 1-B: Stockpile to confirm non-hazardous Class II, Bay Area landfills, truck
- Category 2: Stockpile to confirm non-RCRA waste, ECDC Carbondale, rail
- Category 3: Stockpile to confirm RCRA waste not requiring treatment, USEI Grandview, rail
- Category 4: Stockpile to confirm RCRA w/UHCs waste requiring stabilization, USEI Grandview, rail
- Category 5: Stockpile to confirm RCRA w/UHCs waste requiring chemical oxidation, USEI Grandview, rail
- Category 6: Stockpile to confirm RCRA w/UHCs waste requiring thermal treatment, CWM Arlington, rail
- Category 7: Stockpile to confirm RCRA w/UHCs waste requiring stabilization and chemical oxidation, USEI Grandview, rail
- Category 8: Stockpile to confirm RCRA w/UHCs waste requiring stabilization and thermal treatment, CWM Arlington, rail

Figure 1

PREPARED FOR:  
**SHERWIN-WILLIAMS**  
 1450 SHERWIN AVE.  
 EMERYVILLE, CA

PREPARED BY:  
  
 1687 EUREKA ROAD, SUITE 200  
 ROSEVILLE, CA 95661

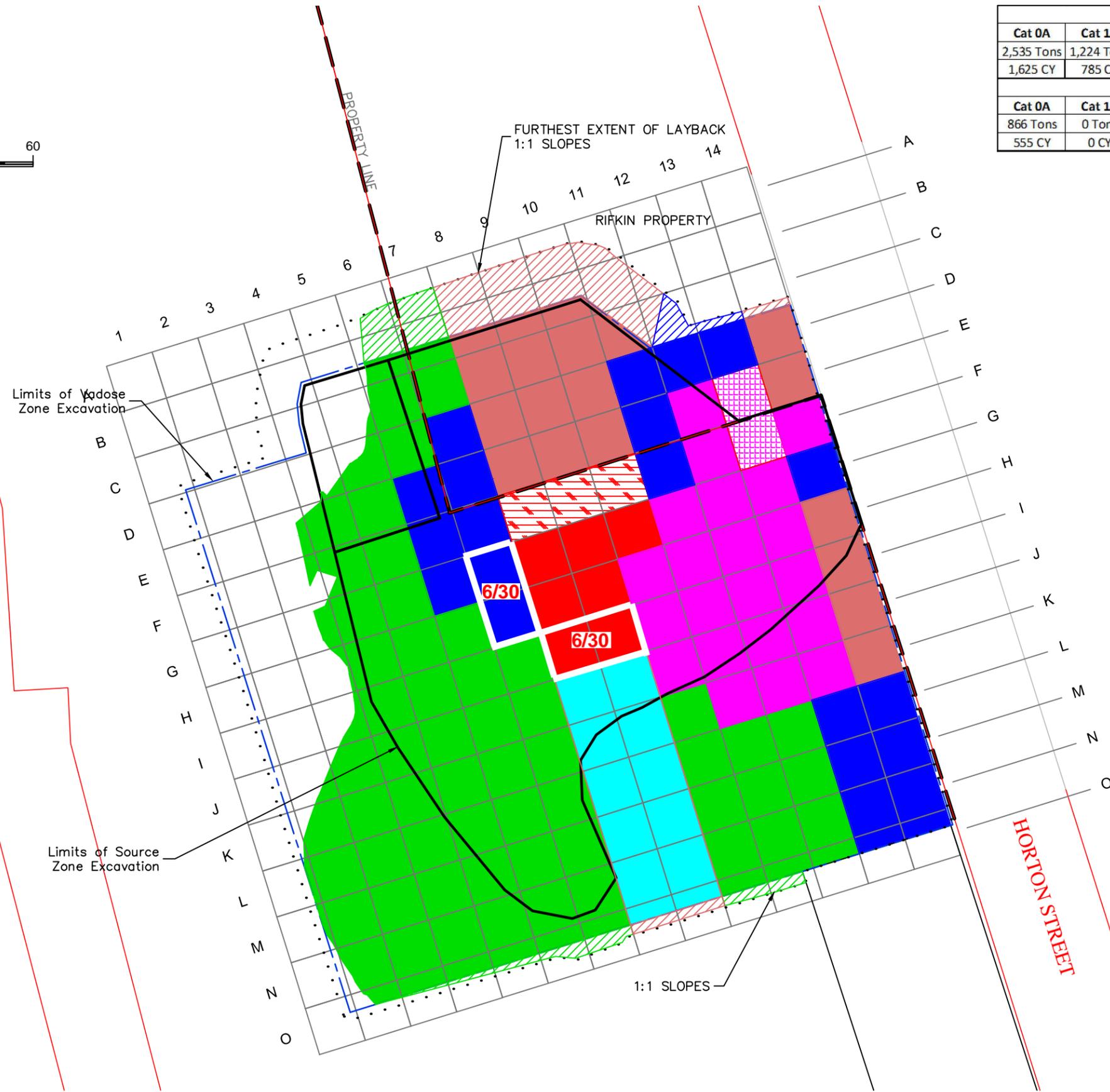
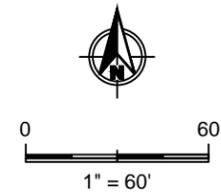
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: **Excavation Layer 1**  
**Cap Material to Elevation +18**

DRAWN BY: J. Stone  
 LOCATION: Emeryville, CA.  
 SCALE: 1" = 60'  
 DATE: 03-18-2011  
 SHEET: 2 of 11  
 REV: 0

DWG NO: 1483001-Soil Class Excav 110304

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
2,535 Tons	1,224 Tons	3,040 Tons	2,783 Tons	3,030 Tons	1,011 Tons	0 Tons	433 Tons	293 Tons	0 Tons
1,625 CY	785 CY	1,949 CY	1,784 CY	1,943 CY	648 CY	0 CY	278 CY	188 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
866 Tons	0 Tons	58 Tons	50 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
555 CY	0 CY	37 CY	32 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY



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- Category 8  
Stockpile to confirm RCRA w/UHCs waste requiring stabilization and thermal treatment, CWM Arlington, rail

Figure 2

PREPARED FOR: <b>SHERWIN-WILLIAMS</b> 1450 SHERWIN AVE. EMERYVILLE, CA	PREPARED BY: <b>ENVIROCON</b> 1687 EUREKA ROAD, SUITE 200 ROSEVILLE, CA 95661	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">REVISIONS</th> </tr> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS					ZONE	REV	DESCRIPTION	DATE	APPROVED																<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><b>Excavation Layer 2</b></td> <td style="text-align: right;">SHEET NO. EX-3</td> </tr> <tr> <td style="text-align: center;">Elevation +18 to +14</td> <td> </td> </tr> <tr> <td style="font-size: small;">DRAWN BY: J. Stone</td> <td style="font-size: small;">LOCATION: Emeryville, CA.</td> </tr> <tr> <td style="font-size: small;">REVIEWED BY: T. Maestas</td> <td style="font-size: small;">DWG NO. 1483001-Soil Class Excav 110304</td> </tr> <tr> <td style="font-size: small;">SCALE: 1" = 60'</td> <td style="font-size: small;">DATE: 03-18-2011</td> </tr> <tr> <td> </td> <td style="font-size: small;">SHEET 3 of 11</td> </tr> <tr> <td> </td> <td style="font-size: small;">REV 0</td> </tr> </table>	<b>Excavation Layer 2</b>	SHEET NO. EX-3	Elevation +18 to +14		DRAWN BY: J. Stone	LOCATION: Emeryville, CA.	REVIEWED BY: T. Maestas	DWG NO. 1483001-Soil Class Excav 110304	SCALE: 1" = 60'	DATE: 03-18-2011		SHEET 3 of 11		REV 0
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### TVOC Running Average Since 06/16/11

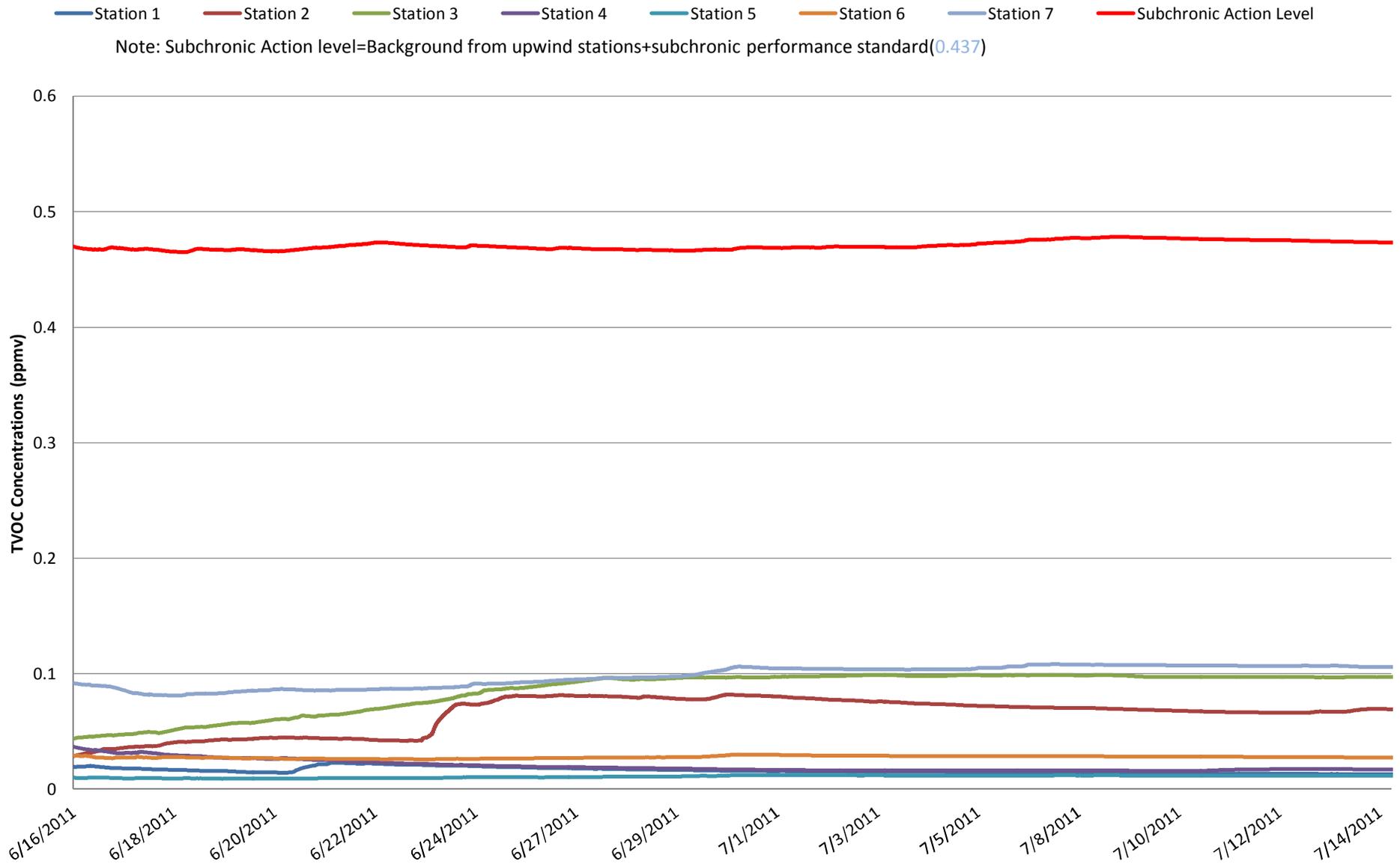


Figure 3

### RPM10 Running Average Since 06/16/11

- Station 1
- Station 2
- Station 3
- Station 4
- Station 5
- Station 6
- Station 7
- ⋯ Subchronic Action Level with misters
- - - Subchronic Action Level without misters

Note: 07/14/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Vadose Zone(16)  
 +Mister effects(today's values:7:30AM-12:30PM:17 12:30PM-5:30PM:17)  
 Action level for non working hours & weekend=50 (BAAQMD Regulatory value)

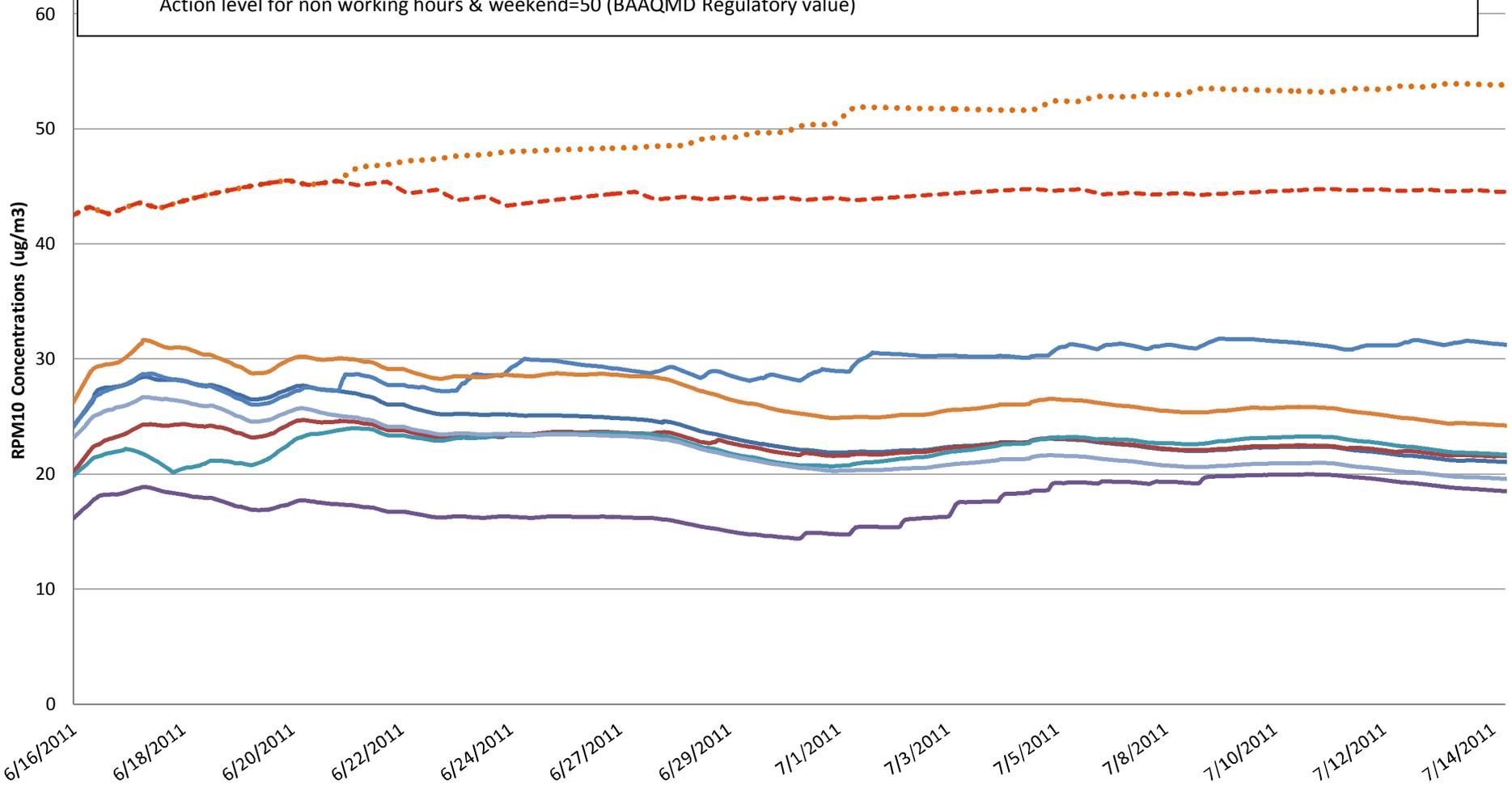


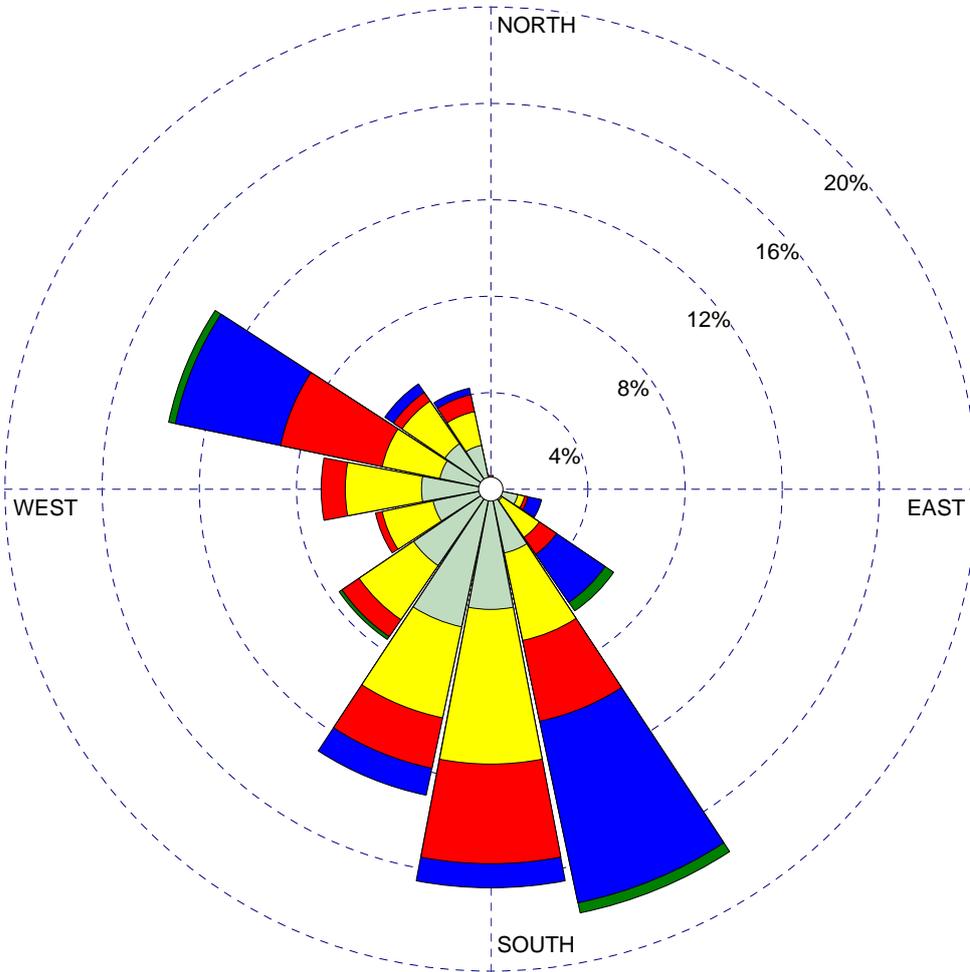
Figure 4

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: 0.14%

COMMENTS:

DATA PERIOD:

Start Date: 6/1/2011 - 00:00  
End Date: 6/30/2011 - 23:00

COMPANY NAME:

**CDM & SCA**

MODELER:

CALM WINDS:

**0.14%**

TOTAL COUNT:

**703 hrs.**

AVG. WIND SPEED:

**1.79 m/s**

DATE:

**7/15/2011**

PROJECT NO.: