

Monthly Project Activities Summary Report
Sherwin-Williams Emeryville Facility, Emeryville, CA
Per DTSC Order IS/E 05/06-007
March 2012

1. Community Safety Plan

Current version is always available at the DTSC Envirostor, [click here](#). Current version was last updated on April 26, 2011.

2. Soil Excavation, Offsite Transport and Water Treatment

The following non-excavation activities were performed at the Site during March.

- Dust, vapor, and odor control measures continued to be implemented onsite, consistent with recent months. Control measures in March included: localized use of windscreens, water, and dust suppressants, and covering waste material stockpiles with plastic sheeting.
- Entrance and exit to and from the exclusion zone continued to be controlled to assure proper personal protective equipment and decontamination of vehicles and equipment is followed.
- Street sweeping of truck haul routes both on and off the Site and Sherwin Street (not part of truck haul route) continued to occur on days when trucks were importing and/or exporting soils. Onsite paved surfaces no longer in use were cleaned in preparation for modifying storm water management controls.
- A total of approximately 700 tons of clay backfill and 400 tons of gravel cover material were imported in March. This material is temporarily stockpiled within the Site with similar clean materials. This material will be used to complete backfill activities in early April.
- Completed last portion of the Slurry Wall Extension (SWE) cap, in accordance with design and specifications. Gravel cover installed to southern edge of former onsite Building 35 foundation and asphalt cover portion further south toward Sherwin Street.
- Installed plastic panels along western sidewall of exposed former onsite Building 35 foundation.
- Completed backfill for storm drain, rail spur, and former UST excavation areas near onsite Buildings 1/31. All backfill lift placement and compaction testing met requirements.
- Completed removal of concrete foundation, pads, and curbing of the water treatment plant (WTP) area and underlying vadose zone soil. The decommissioning and demolition of the WTP was completed previously, by the end of February. All waste streams from the WTP demolition and concrete/soil removal were segregated by process and waste handling identifiers, and characterized for disposal.

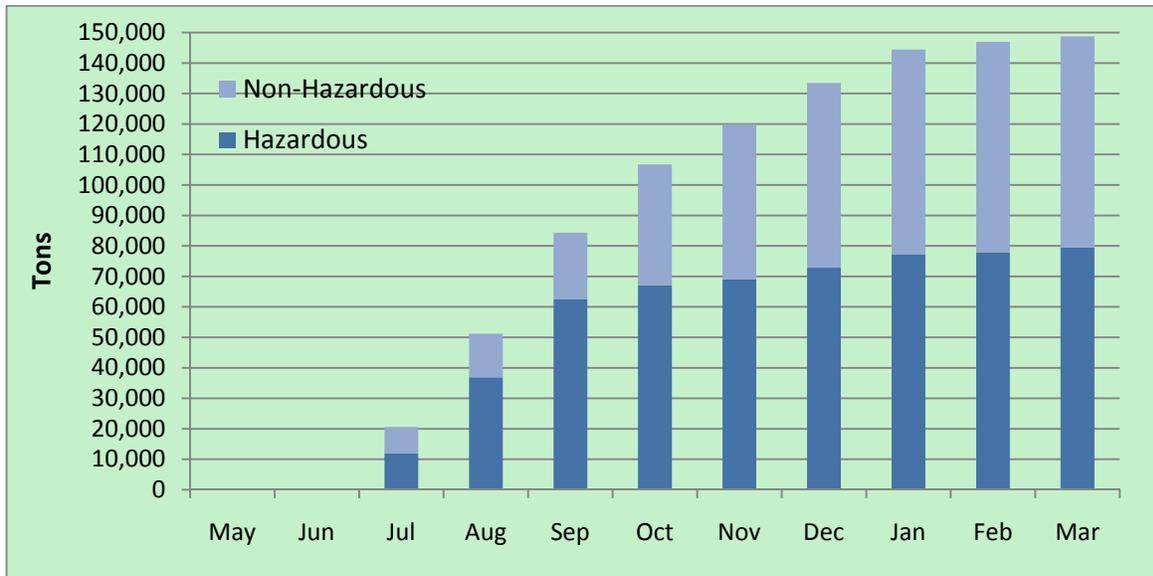
- Temporary fencing segregating the south end of the Novartis parking lot (former Rifkin property) was removed on March 19 and access to this portion of the parking lot returned to Novartis.
- Completed installation of permanent perimeter fence for the Site, including Novartis property.
- Completed remaining new monitoring well installations at the Site, including Novartis property. Wells have been developed and surveyed.

The following excavation activities were performed at the Site during March:

- Waste handling activities during the month of March consisted of removing concrete and soils within the former WTP area, stockpiling the waste, and loading for transport to appropriate offsite disposal facilities. Local air monitoring operations were maintained during these activities.
- 11 truckloads (approximately 200 tons) of non-hazardous Category 1 materials were loaded and transported to local landfills.
- 81 truckloads of non-RCRA hazardous Category 2 materials (approximately 1,600 tons) were loaded and transported to WSG San Francisco Rail Yard for transport to ECDC Landfill in East Carbon, Utah.
- Approximately 150 tons of asphalt rubble were transported offsite in March for recycling.

Throughout March, waste material was segregated and stockpiled by material types prior to sampling and loading for offsite transport and disposal. The chart below shows accumulated amounts of excavated waste transported offsite through the end of March 2012. The total hazardous waste amount for the project through March is approximately 79,500 tons. The total non-hazardous waste amount for the project through March is approximately 69,200 tons. The combined total waste amount is approximately 148,700 tons for the project through March; this value exceeds the original estimated waste amount of approximately 130,000 tons at the start of the project.

Excavated materials transported offsite (in accumulated tons by month):



	<u>Loads in Mar.</u>	<u>Total Loads to Date</u>
Total trucks with non-hazardous waste loads out:	11	2,670
Total trucks with non-RCRA hazardous waste loads out:	81	302
Total trucks with RCRA hazardous waste loads out:	3	3
Total rail cars with RCRA hazardous waste loads out:	0	180
Total rail cars with non-RCRA hazardous waste loads out:	0	502

The following groundwater extraction and treatment activities and storm water management activities were performed at the Site during March:

- The EBMUD Permit was utilized for Site wastewater discharge. Water generated during RDIP implementation activities was transferred to the onsite water treatment system, treated, and discharged to the sanitary sewer in accordance the EBMUD Permit. Routine treatment system flow monitoring and maintenance activities were conducted through March 5, 2012, when the system was shut down. It was subsequently decommissioned and demobilized from the Site. Approximately 15,500 gallons of water were treated and discharged to the sewer between March 1 and 5, 2012.
- A notice of termination for the NPDES Permit was submitted to the RWQCB on December 23, 2011. The last day of discharge, and effective termination date of the NPDES Permit, was June 30, 2011.
- Performed monthly (during construction) water level monitoring activities. The monitoring event included both previously existing wells and newly installed wells. However, wells LF-24, LF-25, and MW-2 were not accessible during the monitoring event.
- With City of Emeryville concurrence, storm water discharge to Temescal Creek was restored in early March. The City of Emeryville noted no deficiencies during their periodic storm water management inspections in March.

3. Perimeter Air Monitoring Results

- Seven real-time air monitoring stations (AMS) surrounded the Site and measured respirable particulate matter less than 10 micrometers (RPM10) in size and total volatile organic compounds (TVOC) concentrations continuously through March 4, 2012. A weather station operated in conjunction and monitored wind speed and direction, temperature and relative humidity.
- On March 5, 2012, the perimeter air monitoring system was taken offline and replaced with local air monitoring using handheld units. This modification to the air monitoring program was approved by DTSC on March 1, 2012. The perimeter air monitoring system was subsequently decommissioned and demobilized from the Site in March.
- Local air monitoring was conducted during waste handling activities in March, at breathing level heights outside and downwind of the exclusion zone, but within the Site. The local air monitoring during this period and its results are discussed below; no action levels were exceeded during the activities.
- RPM10 readings during waste handling activities ranged from 0.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 490 $\mu\text{g}/\text{m}^3$ and averaged less than 45 $\mu\text{g}/\text{m}^3$ for any 4-hour period, which is less than the acute RPM10 action level. The readings maintain the running

average for RPM10 since the start of the project to be less than the subchronic RPM10 action level; and,

- TVOC readings during waste handling activities ranged from 0.0 parts per million volume (ppmv) to 11.8 ppmv and averaged less than 0.40 ppmv for any one 24-hour period, which is less than the acute TVOC action level. The readings maintain the running average for TVOCs since the start of the project to be less than the subchronic TVOC action level.
- DTSC approved the termination of daily perimeter air sampling in August 2011 due to the effectiveness of dust and vapor control measures as verified by real-time monitoring and its correlation with perimeter air sampling. For the remaining project duration, perimeter air sampling has not been required based on lower concentrations of TVOC/metals in waste material and real-time monitoring levels remaining below action levels.
- Weekly reports presenting the air monitoring results have been posted to the DTSC website through the month of March.

4. Other Project Activity

- Completed reconstruction of the parking lot section on the Novartis property and access to this portion of the parking lot was returned to Novartis on March 19.

5. Coming Up Next in April

- No further excavation activities remain for the remedial action.
- The remaining waste materials were transported offsite on April 6, and consisted of waste material from the decommissioning and demolition of the WTP. These materials were transported offsite by truck to appropriate disposal facilities. These materials included the following RCRA hazardous waste: packaged treatment plant chemical waste, lead-based paint removed from the WTP structures, residual material removed from process tank, and spent carbon from the treatment process. As with previous activities, all offsite transport were conducted in accordance with federal, state, and local regulations and with DTSC concurrence. No hazardous waste materials remain at the Site.
- Clean remaining paved surfaces within the fenced area of the Site.

- Containerize and off-haul water collected from Site dewatering activities (after recent rain events and well development) and backfill the remaining excavation area with clean soil that are already present onsite.
- Sherwin-Williams plans to complete these remaining onsite tasks by April 13, 2012, depending on weather conditions.
- Remaining offsite activities still to be completed are associated with the City of Emeryville's requirements and CEQA mitigation measures. These include: 1) asphalt repairs along Halleck Street, between Park and Sherwin, 2) brick inlay repairs at the Halleck/Park intersection, and 3) hydro-seeding of the City owned land at the western end of Sherwin Street ("Parcel D").
- All onsite and offsite work will be scheduled to take place between the hours of 8 a.m. and 5 p.m. on weekdays only. The asphalt repairs on Halleck Street were completed on Thursday, April 5. The asphalt repairs did not affect parking on Halleck Street and one lane remained open to traffic at all times; a flagger was present to facilitate traffic movement.
- Sherwin-Williams is working to identify a contractor qualified to perform the brick inlay work, and the hydro-seeding cannot start until the water that has ponded on Parcel D recedes. Additional notification will be provided to affected neighbors when these activities are scheduled.
- Perform monthly (during construction) groundwater monitoring event per RDIP.
- Submit quarterly water discharge report to EBMUD.
- The community 'hotline' 24-hour answering service will be discontinued following demobilization in April.

6. Communication

- The project team is committed to responding to direct communication from community members.
- A notice was distributed by email to the registered members of the community on March 22, 2012 regarding an alternative method for offsite waste transport.
- A notice was distributed by email to the registered members of the community on April 2, 2012 regarding remaining onsite and offsite activities for project, as discussed above under "Coming Up Next in April."

7. Community Telephone Complaint Hotline

- One call was received on March 28, 2012 at 1:51 pm. The caller complaint/issue was “Called to see why Halleck Street used as a staging site with truck sitting idle.” The call was received on the day the area of Sherwin/Halleck intersection was used as a temporary staging area to transfer empty bins into the Site and bins loaded with waste from the Site. A notice was distributed by email to the registered members of the community on March 22, 2012 of this alternative method for offsite waste transport. This method was required due to the removal of the truck ramp access to the Site via Parcel D (City of Emeryville owned land adjacent to the Site) and the onset of wet weather in March. The caller did not receive this email notice. Project staff spoke with the caller and explained the situation, including that no trucks were sitting in idle. Trucks were stationary for up to 20 minutes at a time loading and unloading bins; the truck engines are required to operate truck-mounted equipment to load/unload bins. It is understood that representatives from DTSC and BAAQMD also were contacted and responded to the caller with similar information. As discussed above, future work is planned for Halleck; additional notification will be provided to affected neighbors when these activities are scheduled.

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)