



1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500, FAX (510) 652-2246

FAX TRANSMISSION: This cover page plus 6 pages.

Date	April 17, 2000
From	Michael Marsden
Project No.	6215.99-010

Deliver To	Name Of Firm	Fax Number
Barbara Cook, P.E.	DTSC	510 340-3819
Susan Hugo	ACHD	510 337-9335
Jay Grover	Chiron Corp.	510 654-5360
Ignacio Dayrit	City of Emeryville	510 596-3724
George Stavnes	The Sherwin-Williams Company	510 654-7997
Randi Parker-Germain	45 th Street Artists Co-op	510 655-2807
Melissa Mednick	Mara Feeney & Associates	510 653-5163
Robert Haddad	Entrix	925 935-5368
Jane Riggan, M.S.W.	CDHS	510 622-4505
Robert Cave	BAAQMD	415 749-5030

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LFR LEVINE-FRICKE VIA THE U.S. POSTAL SERVICE. THANK YOU.

Comments: ATTACHED IS THE MONTHLY STATUS REPORT FOR THE SHERWIN-WILLIAMS SITE IN EMERYVILLE, CALIFORNIA.

The following have received this report via email:
Mark Johnson, Regional Water Quality Control Board (RWQCB)
Larry Mencin, The Sherwin-Williams Company
Vera Nelson, EKI
Mara Feeney, Mara Feeney & Associates
Jody Sparks, TAG
Peggy Peischl, Geomatrix
Sandra Maxfield, Entrix

Please address questions or comments to any of the undersigned:

Larry Mencin, The Sherwin-Williams Company
Mike Marsden, LFR Levine-Fricke (LFR)
Mara Feeney, Mara Feeney & Associates

216 566-1768
510 652-4500
415 863-8760

LFR Levine-Fricke

MONTHLY SUMMARY REPORT
SHERWIN-WILLIAMS, EMERYVILLE, CALIFORNIA
April 2000

I. ACTIONS TAKEN MARCH 2000**A. IRMS*****Extraction and Treatment System Expansion***

- LFR continued performing extended pumping tests on extraction wells EX-14, EX-15, and EX-16 on the former Rifkin Property to evaluate well yields and extent of the hydraulic capture zone for these wells.
- Groundwater elevations measured in piezometers indicate there is an inward hydraulic gradient across the slurry wall at all measured locations except for the monitoring well pair LF-8 and LF-18 located at the northern portion of the Site. The calculated hydraulic potential difference between these two monitoring wells is approximately 0.01 feet per foot and may be attributed to tidal fluctuations near Temescal Creek.
- Following the frequent and high-intensity rain events and the pumping tests for extraction wells EX-14, EX-15, and EX-16, the groundwater treatment system maintained flow rates between 5 and 8 gallons per minute (gpm).
- The RWQCB continued to prepare a draft NPDES permit, which is anticipated to be issued for public review in May 2000. The renewal of the NPDES permit is anticipated to be adopted in June 2000.

Storm Water Handling and Environmental Cap

- Monitoring of the on-site multi-point storm drain system continued. Several rain events occurred during March and water was discharged to Temescal Creek from the multi-point system.

B. Site Investigation

- Further investigation work by Entrix is on hold pending access for drilling from the UPRR and South BGR (Wareham Property). Entrix will continue to analyze the data received from the investigation work completed to date.
- QA/QC of the data from the site investigation has been completed. The data is being tabulated, posted, and evaluated.

C. NPDES and Groundwater Monitoring

- Treatment system operation and monitoring continued in accordance with NPDES requirements. Arsenic was detected at a concentration of 57 micrograms per liter ($\mu\text{g/l}$) in the sample collected from the treatment system effluent as part of the NPDES monthly sampling event. Following

LFR Levine-Fricke

receipt of the result, LFR notified the RWQCB, collected an additional sample of the effluent to confirm the elevated arsenic concentration, and placed the treatment system in recirculation mode. The groundwater extraction system was off line and the treatment system remained in recirculation mode between March 27 and March 31, 2000.

- Statistical analysis of data collected from monitoring wells located outside the slurry area indicate an increasing arsenic concentration trend in monitoring wells MW-5 on the former Rifkin Property and LF-11 near Building 35.
- LFR communicated a strategy to the RWQCB proposing a reduced periodic sampling schedule for monitoring wells located outside of chemically-affected areas.
- Sampling of the monitoring wells west of the UPRR has been suspended pending resolution of access and health and safety issues along the tracks.

D. Community Relations

- Information hotline telephone message updates and coordination with the local residents and businesses were updated bi-weekly to keep the local community informed of current activities.
- A CWG meeting was held at the Sherwin-Williams facility on March 8, 2000 to discuss the results for the Department of Health Services sampling performed at the 45th Street Artists Cooperative.

II. ACTIONS EXPECTED APRIL 2000**A. IRMS*****Extraction and Treatment System Expansion***

- LFR will analyze the data collected during the pumping tests performed on the former Rifkin Property to evaluate well yields and extent of hydraulic capture zones.
- The RWQCB will continue to prepare a draft NPDES permit, which is anticipated to be issued for public review in May 2000. The renewal of the NPDES permit is anticipated to be adopted in June 2000.

Storm Water Handling

- Monitoring of the on-site multi-point storm drain system will continue.

LFR Levine-Fricke

B. Site Investigation/Risk Assessment

- Further investigation work by Entrix is on hold pending access for drilling from the UPRR and South BGR (Wareham Property). Entrix will continue to analyze the data received from the investigation work completed to date.
- QA/QC of the data from the site investigation has been completed. The data is being tabulated, posted, and evaluated.
- Entrix will analyze the data from the investigation work completed to date and begin applying it to the risk assessment.

C. NPDES and Groundwater Monitoring

- Treatment system operations and monitoring will continue in accordance with NPDES requirements. LFR will complete and submit the 1st quarter NPDES monitoring report to the RWQCB. LFR will continue to evaluate the treatment system performance and evaluate the causes for the elevated concentrations of arsenic detected during the March monthly NPDES sampling.
- LFR will sample wells and measure water levels in accordance with the quarterly monitoring program. LFR will complete and submit the 1st quarter groundwater monitoring report per the Site Cleanup Requirements (SCR) Order 98-009. The quarterly groundwater monitoring report will be submitted in compact disk (CD) format along with the quarterly NPDES monitoring report.
- Based on conversations with the RWQCB, LFR will implement a reduced sampling plan for monitoring wells located outside of chemically-affected areas. The reduced sampling plan will be distributed to the CWG prior to the CWG meeting scheduled in May 2000.
- LFR will perform field tests on extraction well EX-1 to evaluate the effectiveness of non-corrosive and non-toxic chemicals to treat the iron bacteria that have been clogging the extraction well screens, pneumatic pumps, and extraction well discharge lines. If the treatment chemicals are effective in treating the iron bacteria in EX-1, the remaining extraction wells, pneumatic well pumps, and extraction system discharge lines will be treated for iron bacteria.
- LFR will evaluate if the reagents used to treat iron bacteria in extraction well EX-1 have an adverse effect on the process chemistry of the MSE groundwater treatment system.
- Sampling of the monitoring wells west of the UPRR has been suspended pending resolution of access and health and safety issues along the tracks. Sherwin-Williams and LFR will proceed working with the City of Emeryville to gain access through the Shellmound Property to access the three monitoring wells west of the UPRR tracks.

D. Community Relations

- A CWG meeting is anticipated to be scheduled at the Sherwin-Williams Emeryville plant in May 2000.
- Information hotline telephone message updates and coordination with the local residents and businesses will be conducted as needed to keep the local community informed of current activities.

III. PLANNED ACTIVITIES MAY 2000

A. IRMS

Extraction and Treatment System Expansion

- The RWQCB will continue to prepare a draft NPDES permit, which is anticipated to be issued for public review in May 2000. The renewal of the NPDES permit is anticipated to be adopted in June 2000.

Storm Water Handling

- Monitoring of the on-site multi-point system will continue.

B. Site Investigation/Risk Assessment

- Assuming access for drilling from the UPRR and South BGR (Wareham Property) is granted, Entrix will continue with the investigation work.
- Entrix will analyze the data from the investigation work completed to date and begin applying it to the risk assessment.

C. NPDES and Groundwater Monitoring

- Treatment system operations and monitoring will continue in accordance with NPDES requirements.
- Sampling of the monitoring wells west of the UPRR has been suspended pending resolution of access and health and safety issues along the tracks. Sherwin-Williams and LFR will proceed working with the City of Emeryville to gain access through the Shellmound Property to access the three monitoring wells west of the UPRR tracks.

D. Community Relations

- A CWG meeting is anticipated to be scheduled at the Sherwin-Williams Emeryville plant in May 2000.
- Sherwin-Williams has received bids for planting trees along Horton Street and work will be scheduled for May 2000.

LFR Levine-Fricke

- Information hotline telephone message updates and coordination with the local residents and businesses will be conducted as needed to keep the local community informed of current activities.

VI. ACTION ITEMS BY OTHERS

- A revised schedule for the RI/RA/FS was presented in the January 8, 1999 Workplan Addendum. The RWQCB has accepted this schedule and the RWQCB should formally revise SCR Order 98-009 to reflect the modified schedule.
- The RWQCB will continue to review the NPDES permit renewal application. It is anticipated that a draft of the NPDES permit will be issued from the RWQCB in May 2000 in order to allow adoption of the permit by June 2000.
- The City of Emeryville has been asked to clear access through the Shellmound Property to allow access to the monitoring wells along the western side of the UPRR tracks.
- The RWQCB may need to prompt the UPRR and South BGR (Wareham Property) concerning access issues for further offsite investigation to be completed.

V. COMPLIANCE WITH ORDER

Due to access issues on neighboring properties, several milestones in the current schedule will likely not be met. A revised schedule will be determined once the access issues have been resolved.

The following deliverables for tasks were submitted by the dates noted. The tasks and schedule are in accordance with the SCR Order, and revised dates agreed by the RWQCB. As noted above, the SCR schedule needs to be revised by the RWQCB for future tasks.

<u>Task</u>	<u>Anticipated Delivery Date</u>
Public Participation Plan (Final)	April 17, 1998*
Current Site Conditions, Site Use History, and Human-Made Conduits (Final)	June 19, 1998*
Health and Safety Plan (Final)	July 8, 1998*
QAPP (Final)	July 16, 1998*
Evaluation of Existing IRMs (Final)	August 10, 1998*
Workplan Addendum for Site Investigations (including Entrix response to comments)	January 8, 1999*

LFR Levine-Fricke

*** FINAL REPORT SUBMITTED**

No obstacles have been identified which threaten compliance with the Order.