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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

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**MONTHLY SUMMARY REPORT
SHERWIN-WILLIAMS, EMERYVILLE, CALIFORNIA
February 2000**

I. ACTIONS TAKEN JANUARY 2000

A. IRMS

Extraction and Treatment System Expansion

- LFR performed oversight of activities outlined in the work plan for abandonment and reinstallation of extraction wells, monitoring wells, and piezometers on the former Rifkin Property. The abandonment, drilling, and well installation activities began the week of December 27, 1999 and continued into January 2000.
- LFR performed an extended pumping test on extraction well EX-16 on the former Rifkin Property to evaluate well yields and extent of the hydraulic capture zone for this well.
- Groundwater elevations measured in piezometers indicate that there is an inward hydraulic gradient across the slurry wall at all measure locations.
- Following the recent rain events and the pumping test for extraction well EX-16 in January 2000, the groundwater treatment system flow rate has increased to between 5 and 6 gallons per minute (GPM).
- LFR collected a water sample from extraction well EX-1 on the Sherwin-Williams property for analysis of iron bacteria. Results from the sample will be used to determine if the increased amount of sediments in the extraction wells and associated discharge lines are the by-product of iron bacteria in the wells. Iron bacteria occur widely in wells open to the atmosphere when sufficient iron and/or manganese are present in the groundwater in conjunction with dissolved organic material, bicarbonate, or carbon dioxide.
- The RWQCB continued to prepare a draft NPDES permit, which is anticipated to be issued for public review in March 2000. The renewal of the NPDES permit is anticipated to be adopted in April 2000.

Storm Water Handling and Environmental Cap

- Monitoring of the on-site multi-point storm drain system continued. Numerous rain events occurred during January and water was discharged to Temescal Creek from the multi-point system. Water samples were collected from several of the rain events and submitted to a state-certified laboratory for arsenic analysis. Data from all samples collected from the multi-point system will be included in the annual storm water report that will be submitted to the RWQCB.

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 operations and monitoring continued in accordance with NPDES requirements. LFR submitted the combined 1999 4th quarter and annual NPDES monitoring report and the 4th quarter groundwater monitoring report per the Site Cleanup Requirements (SCR) Order 98-009.
- LFR performed the Year 2000 1st quarter sampling of wells and measurement of water levels for the Sherwin-Williams site and the former Rifkin Property.
- Statistical analysis of data collected from monitoring wells MW-5 on the former Rifkin Property and LF-11 outside of the slurry wall near Building 35 indicate an increasing arsenic concentration trend in these wells.
- 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 scheduled at the Sherwin-Williams facility on January 27, 2000 was cancelled at the request of the RWQCB.

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

- LFR will continue conducting hydrologic studies of the extraction wells on the former Rifkin Property to evaluate well yields and extent of hydraulic capture zones. Several large duration rain events that occurred during the hydrologic study performed for extraction well EX-16 in January 2000 may have invalidated the study for EX-16, therefore, an additional hydrologic study will be performed for this well. LFR will also conduct one test for

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extraction well EX-15 and one for wells EX-14, EX-15, and EX-16. Each hydraulic study will be performed over a one-week period.

- LFR will evaluate if the reagents used to treat iron bacteria in the extraction wells will have an adverse effect on the process chemistry of the MSE groundwater treatment system. The evaluation will be made by conducting bench-scale studies.
- The RWQCB will continue to prepare a draft NPDES permit, which is anticipated to be issued for public review in March 2000. The renewal of the NPDES permit is anticipated to be adopted in April 2000.

Storm Water Handling

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

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

- LFR will begin reviewing preliminary data from the sampling of wells and measurement of water levels in January 2000.
- Treatment system operations and monitoring will continue in accordance with NPDES requirements.
- Sampling of the monitoring wells west of the UPRR will be suspended pending resolution of health and safety access issues along the tracks.

D. Community Relations

- A CWG meeting will be scheduled at the Sherwin-Williams Emeryville plant upon receipt of the results for the Department of Health Services sampling performed at the 45th Street Artists Cooperative.
- 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 MARCH 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 March 2000. The renewal of the NPDES permit is anticipated to be adopted in April 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.

D. Community Relations

- A CWG meeting is anticipated to be scheduled at the Sherwin-Williams Emeryville plant in March 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.

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 March 2000 in order to allow adoption of the permit by April 2000.

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- 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*

* FINAL REPORT SUBMITTED

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