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Date	November 15, 1999
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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

Jody Sparks, TAG

Peggy Peischl, Treadwell and Rollo

Sandra Maxfield, Entrix

Please address questions or comments to any of the undersigned:

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**MONTHLY SUMMARY REPORT
SHERWIN-WILLIAMS, EMERYVILLE, CALIFORNIA
November 1999**

I. ACTIONS TAKEN – OCTOBER 1999

A. IRMS

Extraction and Treatment System Expansion

- LFR performed a pumping test on the new extraction well and monitoring wells on the former Rifkin Property to evaluate the capture zone in the upper sands of the A zone aquifer.
- Groundwater elevations measured in piezometers indicate that there is an inward hydraulic gradient across the slurry wall at all measure locations.
- The groundwater treatment system flow rate has stabilized between 2 and 3 gallons per minute (GPM). The groundwater elevations have remained below the invert depths of the storm water system since July 1999.
- Sherwin-Williams' personnel from the Oakland Plant continued review of the hazardous waste and hazardous materials contingency plan for the groundwater treatment system.
- LFR performed oversight during the upgrade of the secondary containment berm surrounding the new MSE reductive precipitation and carbon groundwater treatment system.
- LFR worked with MSE Technology Applications, Inc. to perform modifications to several malfunctioning flow transmitters and downloading upgrades to the programmable logic control (PLC) unit.
- The RWQCB continued to prepare a draft NPDES permit, which is anticipated to be issued for public review in December. The renewal of the NPDES permit is anticipated to be adopted in January 2000.
- The DTSC Office of Pollution Prevention and Technology Development performed a site visit to begin an initial evaluation of the MSE reductive precipitation process as a State-certified arsenic treatment technology for groundwater.

Storm Water Handling and Environmental Cap

- Monitoring of the on site multi-point storm drain system continued. One small duration rain event occurred during October, however, no storm water was discharged to Temescal Creek from the multi-point system.
- LFR completed the annual inspection of the multi-point system including cleaning the steel slip liners and sump pumps in each of the 11 onsite catch basins, and purging the discharge lines in preparation for the upcoming wet

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season. Approximately 8,500 gallons of clean water was flushed through the multi-point system and containerized in a portable tank for treatment by the onsite groundwater treatment system.

- LFR procured a subcontractor to replace the above ground PVC electrical conduit with galvanized steel conduit for the multi-point system.
- LFR procured a subcontractor to repair damaged sections of the environmental cap and apply an asphalt slurry seal to maintain the cap integrity. Repairs to the asphalt cap began in late October and included filling surface cracks and indentations, and resealing with an oil emulsion sealer.

B. Site Investigation

- Further investigation work by Entrix is on hold pending access for drilling from the UPRR and South BGR. Entrix will continue to analyze the data received from the investigation work completed to date.
- Data from the investigation is currently undergoing QA/QC and can be discussed in general terms at this time.

C. NPDES and Groundwater Monitoring

- Treatment system operations and monitoring continued in accordance with NPDES requirements. LFR submitted the 3rd quarter NPDES monitoring report and the 3rd quarter groundwater monitoring report per the Site Cleanup Requirements (SCR) Order 98-009.
- LFR performed the 4th quarter sampling of wells and measurement of water levels for the Sherwin-Williams site and the former Rifkin Property. Extraction wells EX-11 and EX-13 on the former Rifkin Property were not sampled due to a malfunctioning solenoid valve controlling the air supply to wells' pneumatic pumps.
- Statistical analysis of data collected from monitoring wells MW-5 and RP-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 health and safety access 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 on October 21, 1999 to update the participants on the remedial investigation and IRM activities for the site.

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II. ACTIONS EXPECTED – NOVEMBER 1999

A. IRMS

Extraction and Treatment System Expansion

- LFR will begin preparing a work plan for revising groundwater extraction system on the former Rifkin Property.
- LFR will incorporate Sherwin-Williams review comments and finalize the updated hazardous waste and hazardous materials contingency plan for the expanded groundwater treatment system.
- The RWQCB will continue to prepare a draft NPDES permit, which is anticipated to be issued for public review in December. The renewal of the NPDES permit is anticipated to be adopted in January 2000.

Storm Water Handling and Environmental Cap

- LFR's subcontractor will likely complete repairs to damaged portions of the environmental cap and apply an asphalt slurry seal to maintain the cap integrity.
- LFR's subcontractor will complete upgrades to the electrical conduit for the multi-point system.
- Monitoring of the onsite multi-point storm drain system will continue. It is possible that significant rain events may begin during November, therefore, surface storm water may be discharged to Temescal Creek from the multi-point system. If sufficient storm events occur, sampling of the storm water discharge from the multi-point system will be performed twice per the month of November. Three storm water samples (one from each discharge line) will be collected per sampling event and submitted to an analytical laboratory for analysis of arsenic.

B. Site Investigation

- Further investigation work by Entrix is on hold pending access for drilling from the UPRR and South BGR. Entrix will continue to analyze the data received from the investigation work completed to date.
- Data from the investigation is currently undergoing QA/QC and can be discussed in general terms at this time.

C. NPDES and Groundwater Monitoring

- LFR will begin reviewing preliminary data from the sampling of wells and measurement of water levels in October.

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- Treatment system operations and monitoring will continue in accordance with NPDES requirements.

D. Community Relations

- A CWG meeting is scheduled at the Sherwin-Williams Emeryville plant for December 16, 1999 at 9:30 A.M.
- 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 – DECEMBER 1999**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 December. The renewal of the NPDES permit is anticipated to be adopted in January 2000.
- LFR will finalize the work plan, procure subcontractors, and begin modifications to the groundwater extraction system on the former Rifkin Property.

Storm Water Handling

- Monitoring of the on site multi-point system will continue. If sufficient storm events occur, sampling of the storm water discharge from the multi-point system will be performed twice in the month of December. Three storm water samples (one from each discharge line) will be collected per sampling event and submitted to an analytical laboratory for analysis of arsenic.

B. Site Investigation

- Assuming access for drilling from the UPRR and South BGR is granted, Entrix will continue with the investigation work. It is anticipated Entrix will continue analyzing the data from the investigation work completed to date.

C. NPDES and Groundwater Monitoring

- Treatment system operations and monitoring will continue in accordance with NPDES requirements.

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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.