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Date	<b>January 14, 2000</b>
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Project No.	<b>6215.99-010</b>

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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**  
**January 2000**

**I. ACTIONS TAKEN – DECEMBER 1999**

**A. IRMS**

***Extraction and Treatment System Expansion***

- LFR reviewed results of the pumping tests performed 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. LFR submitted a work plan to the Chiron Corporation and the Regional Water Quality Control Board (RWQCB) for revising groundwater extraction system on the former Rifkin Property.
- LFR performed oversight of well abandonment, drilling, well installation, and well development activities of the former Rifkin Property. The drilling and well installation activities began the week of December 27, 1999 and continued into January 2000.
- 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.
- The RWQCB continued to prepare a draft NPDES permit, which is anticipated to be issued for public review in February 2000. The renewal of the NPDES permit is anticipated to be adopted in March 2000.

***Storm Water Handling and Environmental Cap***

- Monitoring of the on site multi-point storm drain system continued. No significant rain events occurred during December and no water samples were collected from the multi-point system.
- LFR's subcontractor completed upgrades to the electrical wiring and conduit of the multi-point system. Upgrades included replacing the above ground PVC electrical conduit with galvanized steel conduit.
- LFR's subcontractor completed repairs to damaged sections of the environmental cap and applied 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, replacing and resurfacing damaged sections of asphalt along the railroad tracks, resealing with an oil emulsion sealer, and re-striping truck and automobile parking spaces.

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**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 was completed in December and the data is currently being posted to figures 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.
- 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 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 at the Sherwin-Williams' facility on December 16, 1999.

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

- LFR will perform oversight during drilling, well installation, and well development activities of the former Rifkin Property. In addition, the drilling subcontractor will redevelop existing extraction wells EX-1 through EX-10 located within the slurry wall area on the Sherwin-Williams facility to improve the performance of the 10 extraction wells.
- Following completion of well drilling, well installation, and well development activities, LFR will conduct a hydrologic study to evaluate well yields and extent of hydraulic capture zones. LFR will conduct a total of three tests, one for extraction well EX-15, one for extraction well EX-16, and one for wells EX-14, EX-15, and EX-16. Each hydraulic study will be performed over a one-week period.

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- Following completion of the hydrologic study, LFR's subcontractor will perform modifications to the existing extraction well vaults, extraction system piping, and air supply lines.
- LFR will collect a water sample from extraction well EX-1 and submit to a analytical laboratory to evaluate the presence/absence of iron bacteria in the onsite extraction wells. The results of the sample will be used to evaluate if the fine-grained sediments that have been clogging up the pneumatic extraction well pumps are the result of iron bacteria growing in the extraction wells.
- The RWQCB will continue to prepare a draft NPDES permit, which is anticipated to be issued for public review in February 2000. The renewal of the NPDES permit is anticipated to be adopted in March 2000.

**Storm Water Handling**

- Monitoring of the onsite multi-point storm drain system will continue. If sufficient storm events occur, sampling of the storm water discharge from the multi-point system will be performed twice per the month of January. 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 (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**

- LFR will sample wells and measure water levels in accordance with the quarterly monitoring program. LFR will complete and submit the 4<sup>th</sup> quarter groundwater monitoring report to the RWQCB.
- Sampling of the monitoring wells west of the UPRR will be suspended pending resolution of health and safety access issues along the tracks.
- Treatment system operations and monitoring will continue in accordance with NPDES requirements. LFR will complete and submit the combined 1999 4<sup>th</sup> quarter and annual NPDES monitoring report to the RWQCB.

**D. Community Relations**

- A CWG meeting is scheduled at the Sherwin-Williams Emeryville plant for January 27th, 2000 at 9 A.M.

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- 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 – FEBRUARY 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 February 2000. The renewal of the NPDES permit is anticipated to be adopted in March 2000.

***Storm Water Handling***

- Monitoring of the on site multi-point system will continue. If sufficient storm events occur and the arsenic concentrations reported from January sampling are less than 25 ppb, sampling of the storm water discharge from the multi-point system will be reduced to once in the month of February. Three storm water samples (one from each discharge line) will be collected and submitted to an analytical laboratory for analysis of arsenic.

**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 February 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.

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## 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 February 2000 in order to allow adoption of the permit by March 2000.
- The RWQCB may need to prompt the UPRR and South BGR (Wareham Property) concerning access issues for further offsite investigation to be completed.
- MSE is working with the DTSC Office of Pollution Prevention and Technology Development to evaluate and approve their reductive precipitation process as a State-certified arsenic treatment technology for groundwater.

## 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.