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

**Please address questions or comments to any of the undersigned:**

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**MONTHLY SUMMARY REPORT  
SHERWIN-WILLIAMS, EMERYVILLE, CALIFORNIA  
June 1998**

**I. ACTIONS TAKEN: MAY 1998**

**A. IRMs**

***Extraction and Treatment System Expansion***

- An additional third phase of the pilot study for the MSE groundwater treatment technology was implemented to refine data previously collected and more accurately identify optimal reagent usage in the process. The proposal to implement the MSE technology was addressed in the Evaluation of Existing IRMs report submitted to the RWQCB on May 20, 1998. Sherwin-Williams began negotiating a contract with MSE to design and construct the full scale system.
- Sherwin-Williams is prepared to proceed with sewer connection and discharge of treatment system effluent to EBMUD upon approval by the City of Emeryville of an encroachment permit. The City continues to deny approval for the sewer connection which is the only impediment to advancing this remedial goal. At a minimum, even a temporary 1-year connection will greatly facilitate forwarding the remedial goals for the project (particularly the lowering of groundwater levels within the slurry wall).
- Seven additional extraction wells are proposed to supplement the three extraction wells within the slurry wall. The expansion of the extraction system was addressed in the Evaluation of Existing IRMs report submitted May 20, 1998. LFR continued with the design of the extraction system expansion.

***Stormwater Handling***

- Continued monitoring of tanks containing stormwater/groundwater mixture. Sherwin-Williams decided to implement off-site treatment of the stormwater and issued a request to the RWQCB and DTSC for approval to haul the non-hazardous water to the Seaport Environmental treatment facility in Redwood City, California. DTSC sampled the tanks on May 12 and indicated they would respond to Sherwin-Williams' request upon receipt of the data. DTSC issued written approval for disposal of the tanks on May 29, 1998.
- Continued with discharge of clean stormwater from the northern part of the site from the multi-point stormwater collection system during rain events. LFR continued to collect samples from periodic stormwater discharges to

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verify the concentration of arsenic (if any) in the stormwater being discharged to the creek. The results for May indicated that all discharge points were below the 25 ppb NPDES discharge limit applicable to the groundwater treatment system.

**Completion Reports**

- The completion reports (including the report on the Horton Street remediation, the stormwater summary report and the response to Chiron comments on the wall demolition report) are near completion and undergoing internal review.

**B. Site Investigation**

- Continued with the implementation of the tasks under the Site Cleanup Requirements Order. The Evaluation of Existing IRMs report was submitted on schedule May 20, 1998. Other work that continued to be implemented included the reports on the Current Site Conditions, Site Use History, and Human-Made Conduits Evaluation.
- A Consultative Workgroup meeting was held on May 6, 1998. The Public Participation Plan (PPP) and the Quality Assurance Project Plan (QAPP) were discussed at the meeting.

**C. NPDES and Groundwater Monitoring**

- Received and evaluated the data from the second quarter groundwater sampling and water level measurements conducted the previous month. Continued to compile data collected from the quarterly NPDES and groundwater monitoring reports.
- The treatment system equipment problems associated with one of the two electrochemical cells (E-cells) was corrected and both E-cells are back on-line. The groundwater extraction and treatment system continued to operate during May. With the extraction system back on-line and the reduced level of rainfall, water levels have begun to lower again within the slurry wall.

**D. Other Tasks**

- The February 2, 1998 risk report for the retaining wall along Horton Street was submitted to the RWQCB and later copied to DTSC at the request of the RWQCB. Sherwin-Williams needs to receive input from RWQCB on the February 2, 1998 risk report. DTSC provided comments in a March 27, 1998 letter. LFR is evaluating options for covering the wall pending regulatory approval of the risk analyses and discussion with the RWQCB and the DTSC.

## II. ACTIONS EXPECTED: JUNE 1998

### A. IRMs

#### *Extraction and Treatment System Expansion*

- Sherwin-Williams and LFR will continue with implementing the MSE groundwater treatment technology as proposed in the Evaluation of Existing IRMs report. Sherwin-Williams and LFR traveled to MSE's office in Montana in early June to review technical and contractual issues. Sherwin-Williams and MSE will finalize the contract for MSE to design and construct the full scale system. Design and equipment procurement will proceed.
- Sherwin-Williams' request to proceed with sewer connection and discharge of treatment system effluent to EBMUD (see discussion in Section I.A. above) still awaits approval by the City of Emeryville for an encroachment permit.
- LFR will complete the design of the extraction system expansion by the end of June and will submit the drawings and specifications to contractors for bidding. LFR will also begin identifying the extraction well locations in the field and coordinate drillers to install the wells.

#### *Stormwater Handling*

- Sherwin-Williams implemented hauling the water in the stormwater tanks off-site, cleaning of the tanks and returning the tanks to the tank supplier. All water in the tanks was removed from the site by June 9, 1998. LFR will continue to monitor the stormdrain system and the multi-point will continue to operate during storm events (if any) with discharge of stormwater to Temescal Creek.

#### *Completion Reports*

- The completion reports (including the report on the Horton Street remediation, the stormwater summary report and the response to Chiron comments on the wall demolition report) are near completion and undergoing internal review.

### B. Site Investigation

- A Consultative Workgroup meeting was held on June 10, 1998 and the QAPP and Evaluation of Existing IRMs report was the primary topic of discussion. Work will continue on the tasks addressing Current Site Conditions, Site Use History, and Human-Made Conduits Evaluation and

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the report is anticipated to be submitted by the June 19, 1998 due date. The preparation of the workplan for additional investigation based on the June 19, 1998 report was originally scheduled to be submitted on the same date. Sherwin-Williams has requested that the workplan be submitted under separate cover with a 30-day extension.

**C. NPDES and Groundwater Monitoring**

- Continue to review data collected from the groundwater and NPDES monitoring. LFR will begin preparation of the quarterly NPDES and groundwater monitoring reports.
- Continue operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek.

**D. Other Tasks**

- Sherwin-Williams still awaits comments from the RWQCB on the February 2, 1998 risk report for the retaining wall along Horton Street (see discussion in I.D. above).

**III. PLANNED ACTIVITIES – JULY 1998****A. IRMs*****Extraction and Treatment System Expansion***

- MSE will continue with the design and equipment procurement for the groundwater treatment system.
- Sherwin-Williams anticipates proceeding with sewer connection and discharge of treatment system effluent to EBMUD assuming approval by the City of Emeryville of an encroachment permit. If the City continues to deny approval then see discussion in Section I.A. above.
- LFR anticipates receiving bids for the construction of the extraction system expansion. After Sherwin-Williams works out a contract with the selected contractor, work should begin.

***Stormwater Handling***

- Continue monitoring of the storm drain system.

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**Completion Reports**

- The completion reports (including the report on the Horton Street remediation, the stormwater summary report and the report on the Rifkin wall demolition) should be submitted by the end of July.

**B. Site Investigation**

- Continue with the implementation of the tasks under the Site Cleanup Requirements Order. The Workplan based on the data presented in the Current Site Conditions, Site Use History, and Human-Made Conduits Evaluation will be submitted by July 20, 1998. LFR will begin to coordinate drilling activities which are scheduled to begin in August. The Rifkin property will be the first area where further investigation activities will be implemented.

**C. NPDES and Groundwater Monitoring**

- Continue to evaluate the data from the second quarter groundwater sampling and water level measurements conducted in April. The well sampling and water level measurements for the third quarter 1998 will be conducted. The quarterly groundwater monitoring report will be submitted by the end of July.
- Continue operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek. The NPDES quarterly monitoring report will be submitted by the end of the month.

**D. Other Tasks**

- Sherwin-Williams still awaits comments from the RWQCB on the February 2, 1998 risk report for the retaining wall along Horton Street (see discussion in I.D. above).

**IV. ACTION ITEMS BY OTHERS**

- Need approval from the City for the encroachment permit to discharge to the sanitary sewer.
- RWQCB approval needed for the risk analyses conducted on the retaining wall on Horton Street.
- Comments have been received on the Health and Safety Plan (comments were due April 20, 1998), Public Participation Plan (comments were due May 8, 1998), and the Quality Assurance Project Plan (comments were due May 20, 1998). Sherwin-Williams will prepare responses to the comments

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and/or revise the documents (where applicable) to address relevant comments. Based on agreement at the June 10, 1998 Consultative Workgroup meeting, DTSC, Chiron, and the City of Emeryville will submit written comments on the Evaluation of Existing IRMs report by June 15, 1998 (the report was submitted May 20, 1998 and comments were due June 4, 1998).

## V. COMPLIANCE WITH ORDER

The following deliverables for tasks, currently ongoing, are anticipated to be submitted by the dates noted. The tasks and schedule are in accordance with the Site Cleanup Requirements Order.

<u>Task</u>	<u>Anticipated Delivery Date</u>
Health and Safety Plan	April 6, 1998*
Public Participation Plan	April 17, 1998*
QAPP	April 30, 1998*
Evaluation of Existing IRMs	May 20, 1998*
Current Site Conditions, Site Use History, and Human-Made Conduits	June 19, 1998
Supplemental Workplan for Site Investigations	July 20, 1998

\* REPORT SUBMITTED

- A request for 30-day extension for the supplemental workplan for site investigation was submitted in a letter to the RWQCB dated June 9, 1998. The RWQCB has approved this extension. No other obstacles have been identified which threaten compliance with the Order.