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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
January 1999**

I. ACTIONS TAKEN – DECEMBER 1998

A. IRMS

Extraction and Treatment System Expansion

- MSE and their mechanical subcontractor continued with field construction of the new groundwater treatment system. The existing treatment system continued to be operated during construction of the new system.
- LFR finalized the carbon design and began procurement and installation of the carbon equipment. The concrete pads for the carbon system were constructed at the beginning of December.
- The RWQCB completed their review of the NPDES permit modification request and approved discharge for the new treatment system under the existing permit until the permit expires in July 1999. LFR submitted a complete permit application to the RWQCB in December for renewal of the NPDES permit to be effective in July 1999.
- The installation of the expanded on-site extraction system was completed and the extraction system was tested to verify proper operation of the new extraction wells. The extraction wells were connected to the existing treatment system in anticipation of the new extraction wells being brought on-line.
- Overall the inward hydraulic gradient across the slurry wall was maintained during December.
- LFR evaluated the performance of the groundwater extraction and treatment system (GWETS) for 1998 in accordance with the NPDES and groundwater monitoring requirements. The extensive efforts to modify the groundwater treatment system, revise operation and maintenance procedures, and adjustments in treatment system operation parameters in 1998 have resulted in significant improvements to the IRMs. Due to these improvements the volume of water extracted from within the slurry wall was approximately 1.0 million gallons in 1998 which greatly exceeded previous yearly totals of 706,000 gallons in 1996 and 490,000 gallons in 1997. In addition, approximately 370 pounds of arsenic were extracted from within the slurry wall area in 1998 significantly exceeding the previous yearly totals of 224 and 172 pounds for 1996 and 1997 respectively.

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Stormwater Handling

- Continued monitoring of the storm-drain system on-site. The surface stormwater system was on-line to discharge stormwater to Temescal Creek from the multi-point system.
- Access approval was received from the railroad for installing the shallow stormwater collection trench west of the Sherwin-Williams site. Groundwater levels were measured around the railroad tracks, which indicated the groundwater levels had risen over 2.5 feet. In the short term due to the high water levels, Sherwin-Williams decided not to install the collection trench and discharge to Temescal Creek. Instead the railroad track area and water levels were monitored to determine if flooding becomes an issue. The track area did not flood significantly in December as a result of the rainfall. LFR, S-W and UPRR continued to evaluate alternative longer-term solutions for dealing with drainage in the railroad area.

B. Site Investigation

- Work continued on the implementation of the tasks under the SCR Order. Entrix completed the remedial investigation Workplan Addendum that will supplement the CCR and identify data gaps and additional remedial investigation tasks necessary for the site. The draft workplan was submitted to Chiron on December 11, 1998 for review prior to submittal to the CWG, which extended the submittal date to January 11, 1999.
- A driller was scheduled for January 1999 to drill into the abandoned on-site deep well in order to determine its condition. Recommendations for abandonment of the former deep well on-site (if necessary) will be submitted to the RWQCB once the drilling is complete.

C. NPDES and Groundwater Monitoring

- LFR evaluated the data from the fourth quarter groundwater sampling and water level measurements collected in October. LFR began to prepare the fourth quarter groundwater monitoring report.
- Continued operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek. LFR began to prepare the fourth quarter NPDES monitoring report.

D. Community Relations

- Telephone message updates, City briefings and coordination with the local residents and businesses were conducted as needed to keep the local community informed of current activities.

II. ACTIONS EXPECTED – JANUARY 1999

A. IRMS

Extraction and Treatment System Expansion

- MSE and their mechanical subcontractor will complete the field construction of the new groundwater treatment system. Testing and start-up of the new system will occur in January. The existing treatment system will continue to be operated during testing of the new system.
- LFR will complete the installation of the carbon equipment to follow in series after the MSE system.
- The RWQCB will begin review of the NPDES permit renewal application for the treatment system submitted in December 1998. The renewal of the NPDES permit will be effective in July 1999.
- It is anticipated that overall the inward hydraulic gradient across the slurry wall will be maintained in January. The expanded extraction system and the new treatment system (once operational) will further improve capture and the ability to maintain an inward gradient at the site.

Stormwater Handling

- Continue monitoring of the storm-drain system on-site. The surface stormwater will be discharged to Temescal Creek from the multi-point system during rain events. Periodic sampling of the multi-point system discharge will be conducted during rain events.
- The water levels in the railroad track area to the west will be monitored to determine if flooding becomes an issue. LFR, S-W and UPRR will evaluate the need to install a surface drainage system or alternative longer-term solutions for dealing with drainage in the railroad area.

B. Site Investigation

- Work will continue on the implementation of the tasks under the SCR Order. Entrix continued to work on the remedial investigation Workplan Addendum that will supplement the CCR and identify data gaps and additional remedial investigation tasks necessary for the site. The draft Workplan Addendum was submitted on January 11, 1999 for review by the CWG.
- A CWG meeting may be scheduled near the end of January if the group is prepared to begin discussing the Workplan Addendum.

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- A driller has drilled into the abandoned on-site deep well in order to determine its condition and an obstruction was identified at approximately 160 feet depth. A camera survey of the well will be implemented after which recommendations for abandonment of the former deep well on-site will be submitted to the RWQCB.

C. NPDES and Groundwater Monitoring

- LFR will evaluate the data from the fourth quarter groundwater sampling and water level measurements collected in October. The fourth quarter groundwater monitoring report will be submitted to the RWQCB and will include the groundwater results from the sampling of the new extraction wells on-site.
- Groundwater samples and water level measurements will be collected in January for the first quarter 1999.
- Continue operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek. The fourth quarter NPDES monitoring report will be submitted to the RWQCB.

D. Community Relations

- Telephone message updates, City briefings 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 1999**A. IRMS*****Extraction and Treatment System Expansion***

- MSE will continue with start-up of the new system and training of field operators will be scheduled. The existing treatment system will continue to be operated during start-up of the new system if it is determined to be necessary to maintain ongoing extraction during shakedown of the new system.
- LFR will bring the new carbon equipment on-line to follow in series after the MSE system.
- The RWQCB will continue with review of the NPDES permit renewal application for the treatment system submitted in December 1998. The renewal of the NPDES permit will be effective in July 1999.

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- It is anticipated that overall the inward hydraulic gradient across the slurry wall will be maintained in February. The expanded extraction system and the new treatment system (once operational) will further improve capture and the ability to maintain an inward gradient at the site.

Stormwater Handling

- Continue monitoring of the storm-drain system on-site. The surface stormwater will be discharged to Temescal Creek from the multi-point system during rain events. Periodic sampling of the multi-point system discharge will be conducted during rain events.
- The water levels in the railroad track area to the west will be monitored to determine if flooding becomes an issue. LFR, S-W and UPRR will evaluate the need to install a surface drainage system or alternative longer-term solutions for dealing with drainage in the railroad area.

Completion Reports

- The Horton Street completion report is undergoing internal review and will be submitted to the RWQCB after it is finalized.

B. Site Investigation

- Work will continue on the implementation of the tasks under the SCR Order. Entrix will address comments on the remedial investigation Workplan Addendum based on feedback from the CWG.
- Another CWG meeting may be scheduled in February for further discussion of the Workplan Addendum.
- After reviewing the camera survey of the well (to be implemented in January) recommendations for abandonment of the former deep well on-site will be submitted to the RWQCB.

C. NPDES and Groundwater Monitoring

- LFR will begin to evaluate the data from the first quarter groundwater sampling and water level measurements collected in January.
- Continue start-up and operation of the new treatment system and monitoring NPDES parameters with discharge to Temescal Creek.

D. Community Relations

- Telephone message updates, City briefings and coordination with the local residents and businesses will be conducted as needed to keep the local community informed of current activities.

IV. ACTION ITEMS BY OTHERS

- Sherwin-Williams anticipates receiving comments on the draft Workplan Addendum from the CWG.

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 SCR Order.

<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 (draft)	January 11, 1999

* FINAL REPORT SUBMITTED

- A revised schedule to address the remaining Tasks required under the SCR Order will be submitted with the Workplan Addendum. No other obstacles have been identified which threaten compliance with the Order.