



1900 Powell Street, 12th Floor
 Emeryville, California 94608-1827
 (510) 652-4500, FAX (510) 652-2246

FAX TRANSMISSION: This cover page plus 6 page(s).

Date	March 13, 1998
From	Mark D. Knox, P.E.
Project No.	3042.95-001

Deliver To	Name Of Firm	FAX Number
Mark Johnson	RWQCB	510 286-1380
Barbara Cook, P.E.	DTSC	510 540-3819
Susan Hugo	ACHD	510 337-9336
Ric Notini	Chiron Corp.	510 823-7476
Ignacio Dayrit	City of Emeryville	510 596-3724
Larry Mancin	Sherwin-Williams	216 566-2730
John Gerulis	Sherwin-Williams	216 566-1792
Dave Gustafson	Sherwin-Williams	216 566-1708
Allen Danzig	Sherwin-Williams	510 854-7997
Frank McHugh	Sherwin-Williams	415 267-4198
Ed Sangster	McKenna and Cuneo	510 655-2807
Paul Germain	45 th Street Artists Co-op	650 578-9131
Tom Kalinowski, Sc.D.	EKI	415 863-5671
Mara Feeney	Mara Feeney & Associates	916 753-5318
Jody Sparks	TAG	415 955-9041
Peggy Peischl	Treadwell and Rello	510 450-3773
Jane Riggan, M.S.W.	CDHS	415 749-5030
Robert Cave	BAAQMD	

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LEVINE-FRICKE-RECON VIA THE U.S. POSTAL SERVICE. THANK YOU.

Comments: NOTE: UPDATE FOR SHERWIN-WILLIAMS SITE IN EMERYVILLE, CA.

Please address questions to any of the undersigned:

- Larry Mancin, Sherwin-Williams 216 566-1768
- Mark Knox or Mike Marsden, Levine-Fricke-Recon 510 652-4500
- Mara Feeney, Mara Feeney & Associates 415 863-8760

March 13, 1998

Levine-Fricke-Recon

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

I. ACTIONS TAKEN: FEBRUARY 1998

A. IRMs

Extraction and Treatment System Expansion

- Evaluated alternatives and costs for expansion of existing electro-chemical co-precipitation system. Discussed potential alternative technologies with other contractors for groundwater treatment and costs for treatability studies. Sherwin-Williams authorized a treatability study with MSE Technologies, Inc. (MSE) to evaluate two of their proprietary groundwater treatment technologies. Levine-Fricke-Recon Inc. (LFR) initiated preparation of a treatability study work plan.
- Sherwin-Williams and LFR met with City of Emeryville on February 3 to discuss connection to sanitary sewer system based on previous permit approval (approved December 1, 1997) by EBMUD. City Manager indicated verbally that Sherwin-Williams would receive approval for one year for sewer connection. City and Sherwin-Williams began discussions concerning language for an encroachment permit for connection to the sanitary sewer system.
- Evaluated data from pump testing of wells within the slurry wall, which will be used to evaluate placement of additional wells within the slurry wall.

Stormwater Handling

- Operated treatment system treating groundwater/stormwater previously collected in tanks with discharge of treated effluent to Temescal Creek. Groundwater extraction wells remained off until February 19 while treating tanks with water above 5 ppm arsenic. After completing treatment of all water in excess of 5 ppm, the treatment of tank water was discontinued.
- Collected additional stormwater in tanks from within the secondary containment area around the tanks but was discontinued in mid-February. No further stormwater will be collected in tanks from within the secondary containment area around the tanks. Other discharge of clean stormwater from the northern part of the site was from the multi-point stormwater collection system.

Completion Reports

- Continued to prepare completion reports including the report on the Horton Street remediation and the stormwater summary report. The Rifkin property

March 13, 1998

Levine-Fricke-Recon

report on demolition and disposal of the south brick wall was submitted to Chiron for review.

B. Site Investigation

- Continued with receipt of comments from the Consultative Workgroup for the tentative Site Cleanup Requirements Order. Consultative Workgroup met on February 4. The meeting included extensive discussion on the Order. RWQCB finalized the tentative order on February 9, and the order was adopted on February 18.

C. NPDES and Groundwater Monitoring

- Conducted sampling of wells and measurement of water levels for the first quarter 1998 in February.
- Continued operation of treatment system and monitoring of NPDES parameters with discharge to Temescal Creek.
- Submitted 1997 annual summary and 4th quarter 1997 NPDES monitoring report to the RWQCB. Fourth quarter 1997 groundwater monitoring report was also submitted to the RWQCB.
- Collected additional groundwater samples in an area within the slurry near the location of a former abandoned sewer line. These samples will be analyzed for fecal coliform and surfactants to identify whether the abandoned sewer line is the unknown source of water.

D. Other Tasks

- Held Consultative Workgroup meeting on February 4.
- Submitted a risk analyses of the retaining wall on Sherwin-Williams property adjacent to Horton Street sidewalk to the RWQCB in a report dated February 2. Risk analyses were based on previous wipe and precipitate sampling. Analyses concluded that "concentrations of arsenic and lead detected in wipe and precipitate samples from the wall are not a public health threat to area residents or workers." Sherwin-Williams is awaiting approval from the RWQCB for this report.
- Began conducting community interviews for Public Participation Plan.

March 13, 1998

Levine-Fricke-Recon

II. ACTIONS EXPECTED: MARCH 1998**A. IRMs*****Extraction and Treatment System Expansion***

- Sherwin-Williams proceeded with treatability studies the week of March 9 to evaluate alternative proprietary technologies as developed by MSE. A work plan was submitted to the RWQCB with a copy to DTSC staff.
- Proceed with sewer connection and prepare for discharge of treatment system effluent to EBMUD upon approval by City of Emeryville of encroachment permit.
- Continue to evaluate placement of additional wells within the slurry wall based on pump test data.

Stormwater Handling

- Continue monitoring of tanks containing stormwater/groundwater mixture. Evaluate options to either treat containerized water through the existing system or implement off-site treatment.
- Discharge of clean stormwater from the northern part of the site will be from the multi-point stormwater collection system.

Completion Reports

- Continue to work on completion reports including the report on the Horton Street remediation and the stormwater summary report. Upon receipt of comments from Chiron, submit the Rifkin property report on demolition and disposal of the south brick wall to the RWQCB.

B. Site Investigation

- Continue with the implementation of the tasks under the Site Cleanup Requirements Order. Work includes the Health and Safety Plan, Quality Assurance Project Plan, Current Site Conditions, Site Use History, Human-Made Conduits Evaluation, Public Participation Plan, Evaluation of existing IRMs and adjacent property access agreements.

C. NPDES and Groundwater Monitoring

- After receipt of groundwater and treatment system data from the lab, compile data for the quarterly NPDES and groundwater monitoring reports and begin to prepare the reports.
- Continue operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek.

March 13, 1998

- Quarterly groundwater sampling and water level measurements will be conducted for the second quarter 1998.
- Financial and capacity problems have been identified for current laboratory designated for the project. Alternative labs are being evaluated for the project.

D. Other Tasks

- The February 2, 1998 risk report was copied to DTSC at the request of the RWQCB. Sherwin-Williams awaits input from RWQCB and DTSC on the February 2 risk report. LFR is evaluating options for covering the wall pending regulatory approval of the risk analyses.
- Groundwater elevation data and the fecal coliform and surfactant data collected in February will be evaluated to determine a possible unknown water source within the slurry wall.
- Complete community interviews and begin drafting Public Participation Plan.

III. PLANNED ACTIVITIES: APRIL 1998

A. IRMs

Extraction and Treatment System Expansion

- LFR will submit a report summarizing treatability studies for 2 alternative proprietary technologies based on the information gathered in March. Sherwin-Williams to begin evaluating whether to implement the MSE technology on a full scale or to expand the electro-chemical co-precipitation system.
- Proceed with sewer connection and discharge of treatment system effluent to EBMUD upon approval by City of Emeryville of encroachment permit.
- Continue to evaluate placement of additional wells within the slurry wall based on pump test data.

Stormwater Handling

- Continue monitoring of tanks containing stormwater/groundwater mixture. Sherwin-Williams to decide whether to treat containerized water through the existing system or implement off-site treatment.
- Continue with discharge of clean stormwater (if any) from the northern part of the site from the multi-point stormwater collection system.

March 13, 1998

Levine-Fricke-Recon

Completion Reports

- Submit completion reports to the RWQCB including the report on the Horton Street remediation and the stormwater summary report. Upon receipt of comments from Chiron, submit the Rifkin property report on demolition and disposal of the south brick wall to the RWQCB.

B. Site Investigation

- Continue with the implementation of the tasks under the Site Cleanup Requirements Order. Work includes the Health and Safety Plan, Quality Assurance Project Plan, Current Site Conditions, Site Use History, Human-Made Conduits Evaluation, Public Participation Plan, Evaluation of existing IRMs and adjacent property access agreements. The Health and Safety Plan and Public Participation Plan are anticipated to be submitted in April in accordance with the schedule in the Site Order.

C. NPDES and Groundwater Monitoring

- Continue to compile data for the quarterly NPDES and groundwater monitoring reports and to prepare the reports.
- Continue operation of treatment system and monitoring NPDES parameters with discharge to Temescal Creek and/or discharge to the sanitary sewer if the encroachment permit is approved by the City of Emeryville (see above).
- Financial and capacity problems have been identified for current laboratory designated for the project. Alternative labs are being evaluated for the project.

D. Other Tasks

- The February 2, 1998 risk report was copied to DTSC at the request of the RWQCB. Sherwin-Williams awaits input from RWQCB and DTSC on the February 2 risk report. LFR is evaluating options for covering the wall pending regulatory approval of the risk analyses.
- Continue to evaluate potential unknown source of water within the slurry wall.

IV. ACTION ITEMS BY OTHERS

- Need approval from the City for the encroachment permit to discharge to the sanitary sewer.
- RWQCB approval with DTSC input needed for the risk analyses conducted on the retaining wall on Horton Street.

March 13, 1998

- Chiron to approve wall demolition and disposal report prior to Sherwin-Williams submitting the report to the RWQCB.

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 5, 1998
Public Participation Plan	April 5, 1998
QAPP	May 5, 1998
Evaluation of Existing IRMs	May 20, 1998
Current Site Conditions, Site Use History, and Human-Made Conduits	June 19, 1998

- At this time, one obstacle has been identified which threatens compliance with the requirements of the Order. As noted above, the currently designated lab for the project has experienced capacity and financial problems. The delivery date for the QAPP may be delayed because an alternative lab may have to be selected and, in turn, the lab's input to the QAPP is critical to the preparation of the document. No other obstacles have been identified which threaten compliance with the Order.

V