8/8/95 SW-CaRWCB Meeting

Dave Gustafson	S-W Cleveland	216-566-3144
Mark Knox	Levine-Fricke	510-652-4500
Dwight Ames	S-W Oakland	510-420-7219
LARRY MENKIN	S-W Cleveland	216 566 1768
Allen Danzig	S-W Cleveland	216-566-2482
Sum Arigala	RWQCB #2	510-286-0434
Ravi Arulanantham	RWQCB - #2	510-286-1331
Susan Hugo	ACDEH	510 567-6780

12/20/91 Report Evaluation → locate copy | Call Mark Knox 9:30AM-12:30PM

For 2 USTs: [(TCLP w/ DI water) Qualitative test]

LF25 } destroyed, need to be
LF24 } replaced,
LF-23

AGENDA

August 8, 1995
10:00 AM
Ca. Regional Water Quality Control Board

submit H&S plan

A. S-W Remediation Project at Emeryville.

Status/Timing

1. Removal of two UST's — discuss with Randy Rinith
2. Environmental Cap → RAP Final
3. Groundwater Treatment System → Schedule for Remediation → 7/13/95
   - Start-up (9/11/95)
   - Operating and Maintenance Responsibility →
4. NPDES Permit Compliance - by end 12/96 (5 ppb) for semi-volatiles (10 ppb AS) (Need copy)
5. Installation of monitoring wells (on and off-site)
6. Schedule for sampling of wells

B. Rifkin Property -- Off-Site Assessment

1. Quarterly Data
2. Investigation Plan

C. Future Emeryville Developments--Chiron EIR and Horton Street Bypass and MOU

D. Other Issues

ATTENDING:

From Levine•Fricke	From Sherwin-Williams	From Alameda County	From CaRWQCB
Mark Knox	Al Danzig Larry Mencin Dave Gustafson	Susan Hugo	Sum Arigala Ravi Arulanantham

1) Remedial Approach - compatible w/ landuse
   ↳ management plan → cap maintenance (once in 3 to 5 yrs)
   deed restriction in file → annual inspection
2) Remedial Treatment System - biological / electrolysis
   cap - 3-6 inches asphalt (top layer)
   8 inches clean rock (2nd layer)
   ↳ integrity of the cap maintenance
   slurry wall - 3 ft clay cap
3) Trench issue - Randy Smith (SP) does not intend have
   ↳ TPH, VOC, semivolatile PNAs
4) WP for installation of MWs (1993)
   Draft WP to install wells
5) July 31, 1995 LFO report - May 10, 1995 Q 1/4R
6) Pumping within the slurry wall
   by 9/95.
7) talked to TMC to coordinate groundwater readings
   w/ Sherwin Williams →
   Quarterly - levels
   annually - analytes
8) Issue raised by TMC. Lacquer tank farm area -
   Sherwin Williams - acknowledge that lacquer tank
   area is a source but not migrating to Rifkin as
   demonstrated by RP-1 → RP-5 data
   Lacquer tank farm - presence disclosed to DTSC
   (2 tank farm areas)
   1988 State investigation (RLM)
9) discussion w/ Chevron - Hegard Street bypass may be
   on the cap area @ Sherwin Williams
   slurry wall on Rifkin will be compatible w/ landuse
10) As planned not migrating beyond the contained area
11) As found in the Temescal Creek impacting Shellmound
12) Manage the residual risk / extraction wells / monitoring wells, plan

Repeat

2ppb (RL)

Table 2
Chemicals Detected in Ground-Water Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	Notes	As	TPHg	TPHd	TPHo	Acetone	Benzene	Toluene	Xylenes	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Ethyl-benzene	MIBK	TCE
RP-1	28-Jul-94		0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94		0.08	1.9	4.4	0.3	<0.100	<0.005	<0.0005	<0.002	<0.100	0.002	0.003	0.001	<0.0005	<0.050	<0.005
	28-Feb-95		0.046	0.3	1.8	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
	29-Mar-95	(4)	0.035	<0.05	0.78	<0.5	<0.100	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95		0.095	2.6	1.4	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
RP-2	28-Jul-94		0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94		0.024	0.09	0.4	0.5	<0.100	<0.005	0.0005	<0.002	<0.100	0.001	0.001	<0.0005	<0.005	<0.050	0.0006
duplicate	08-Sep-94		0.020	0.09	0.3	0.6	<0.100	<0.005	<0.0005	<0.002	<0.100	0.001	0.001	<0.0005	<0.005	<0.050	0.0005
	28-Feb-95		0.013	0.09	<0.05	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
	29-Mar-95	(3)	0.01	0.07	0.4	<0.5	<0.100	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95		0.029	<0.05	0.3	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
RP-3	28-Jul-94		ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94		0.004	0.1	0.7	0.2	<0.100	<0.005	<0.0005	<0.002	<0.100	<0.005	<0.0005	<0.0005	<0.005	<0.050	<0.0005
	28-Feb-95		0.004	0.2	1.2	NA	NA	<0.0005	0.0007	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
	29-Mar-95	(5)	0.004	0.3	1.9	0.6	<0.100	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95		0.013	0.1	1.7	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
RP-4	28-Jul-94		ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94		0.009	0.1	0.2	0.2	<0.100	<0.005	<0.0005	<0.002	<0.100	0.001	0.007	0.004	<0.005	<0.050	0.002
	28-Feb-95		0.007	0.08	0.07	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
duplicate	28-Feb-95		0.006	0.07	0.07	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
	29-Mar-95	(2)	0.008	0.07	0.3	<0.5	<0.100	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95		0.013	<0.05	0.2	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
duplicate	10-May-95		0.011	<0.05	0.2	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
RP-5	28-Jul-94		ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94		0.003	0.09	0.6	2	<0.100	<0.005	<0.0005	<0.002	<0.100	0.0008	0.0005	<0.0005	<0.005	<0.050	<0.005
	28-Feb-95		0.007	0.06	0.2	NA	NA	<0.0005	0.0009	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
	29-Mar-95	(1)	0.006	<0.05	0.8	<0.5	<0.100	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95		0.018	<0.05	1.1	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA

Repeat

Table 2
Chemicals Detected in Ground-Water Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	Notes	As	TPHg	TPHd	TPHo	Acetone	Benzene	Toluene	Xylenes	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Ethyl-benzene	MIBK	TCE
Blanks:																	
RP-3-FB	28-Feb-95		<0.002	<0.05	<0.05	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
RP-3-FB	10-May-95		<0.002	<0.05	<0.05	NA	NA	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	<0.0005	NA	NA
MCLS	——		0.050	——	——	——	——	0.005	1.000	10	——	0.0005	0.070	0.100	0.700	——	0.005

Data entered by KAC. Data proofed by KAC 7/19/95. QA/QC by JEGD.

Notes

Analyses performed by American Environmental Network, Pleasant Hill, California by method cited in report.

If analyte is not listed, it was not present above laboratory detection limits.

NA = not analyzed
ND = not detected

As = arsenic
MEK = methyl ethyl ketone (2-Butanone)
MIBK = methyl isobutyl ketone (4-Methyl-2-pentanone)
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHo = total petroleum hydrocarbons as oil and grease
1,2-DCA = 1,2-dichloroethane
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
TCE = trichloroethene

(1) Barium detected at 0.04 mg/l, Zinc detected at 0.03 mg/l.
(2) Barium detected at 0.06 mg/l, Lead detected at 0.15 mg/l, Zinc detected at 0.16 mg/l.
(3) Carbon Disulfide detected at 0.015 mg/l, Barium detected at 0.08 mg/l, Zinc detected at 0.03 mg/l.
(4) Barium detected at 0.04 mg/l, Zinc detected at 0.01 mg/l.
(5) Barium detected at 0.18 mg/l, Vanadium 0.015 mg/l, Zinc detected at 0.01 mg/l.

Meeting
Held at Ca. Regional Water Quality Control Board Offices
10:00 AM on August 8, 1995

Attendees

Sherwin-Williams	
Cleveland	
Dave Gustafson	(216) 566-3144
Larry Mencin	(216) 566-1768
Allen Danzig	(216) 566-2482
Oakland	
Dwight Ames	(510) 420-7219
CaRWQCB #2	
Ravi Arulanantham	(510) 286-1331
Sum Arigala	(510) 286-0434
Levine♦Fricke	
Mark Knox	(510) 652-4500
Alameda County DEH	
Susan Hugo	(510) 567-6780

The Sherwin-Williams Company
Coatings Division
101 Prospect Avenue, N.W.
Cleveland, OH 44115

August 14, 1995

Mr. Sum Arigala
CA. Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

RE: Meeting of 8/8/95
Key Points/Action Plan

Dear Sum:

I believe we all felt that this was a very productive and cooperative session. I have attempted here to note the significant points and action plans we agreed to, as we followed the prepared Agenda.

A. S-W Remediation Project at Emeryville

1. Removal of two UST's (Responsibility of SPL):
   a) Removal was completed week of 7/31/95.
   b) Soil removal--to be done by Powers Engineering under the direction of Randy Smith of Southern Pacific Lines (SPL). Soil to be removed and properly disposed of by SPL.

      Susan Hugo to be present during the limited "over excavation" (to near water table) and soil removal. Backfill with clean materials.

2. Black oil was found in the East-West utility trench, about 20 ft. north of the two small UST's and inside the S-W slurry wall. Estimated to be about 8-10 gallons; looks like same type of oil removed from the four large UST's earlier.

   Plan:
   The oil will be analyzed and Susan Hugo will be given test results no later than 8/11/95. If similar to the oil noted above, the trench will be backfilled as any migration will be handled by the S-W extraction wells and groundwater treatment system. Monitoring will also be required by SPL outside the slurry wall; the S-W monitoring wells might suffice for this purpose.

S-W emphasized issues *1a and b above* since they have caused a complete shutdown of construction of the environmental "cap" for over three weeks.

3. Environmental "Cap"
   a) Completion will take about 6 weeks after resumption of construction--See note above.
   b) Ravi advised that inspection of this "cap" should be done once every two years by an outside certified engineer (to check for cracks, integrity, etc.). An inspection report would be sent to Ca. Regional Water Quality Control Board. S-W agreed.

4. Groundwater Treatment System
   The three extraction wells have been completed. Well pumps will be installed/connected this month. Start-up is planned for the week of September 11, 1995, even though the "cap" will be incomplete.

5. NPDES Permit Review
   The essential features of this 3/15/95 document to S-W were reviewed, and S-W will proceed with implementation. Sum will send a copy of this document to Susan Hugo.

6. Installation of Monitoring Wells (on and off-site)
   a) M.Knox explained a diagram showing which wells were inadvertently covered or destroyed by the remediation project construction. Ravi requested that a report be sent to explain the specific wells that were lost/damaged and not closed (grouted). Levine•Fricke (L•F) to do for S-W.

   b) Action - L•F to submit a revised Plan in September to show existing wells, new and replacement wells, and wells to be monitored on the Rifkin property. The Plan will reflect possible restrictions (i.e., underground utilities or the western SPL property and impact of the planned Horton Street By-Pass) and use of the existing TMC/EKI wells on or adjacent to the Rifkin property.

      We agreed to quarterly sampling of water levels, and semi-annual sampling/analysis of organics and inorganics.

      We will meet in late September/early October to review this Plan and other matters. Dave will coordinate meeting. Perhaps a meeting at the S-W Emeryville site would be appropriate, including a walk-through of well locations and the groundwater treatment system.

The new and replacement wells will be drilled and developed in October. L♦F to manage.

c) Susan Hugo to talk to TMC about use of their wells and sharing of data.

B. Rifkin Property

1. We reviewed the report covering the 5/10/95 groundwater sampling, and agreed that more data is needed.

The next sampling is scheduled for 8/9/95, and the development and issuance of the report will be expedited (L♦F). Review at our next meeting.

Larry noted a possible hydraulic mounding in the S-W corner of the Rifkin property--likely caused by rainfall from the Rifkin building roofs directly onto S-W property (outside our slurry wall). This rainfall influence will be corrected with completion of the environmental "cap" on S-W property.

2. S-W discussed the former lacquer tank farm (on S-W property). Slurry wall on S-W property cuts off the majority of potential migration from the property. Planned slurry wall on Rifkin property would control past migration of arsenic and any other contaminants from S-W property (arsenic shown to lead any other contaminant).

Ravi and Sum emphasized the need for S-W to control the arsenic plume. S-W believes that our remediation and proposed remediation of Rifkin will accomplish this goal.

Ravi requested an annual analysis for chlorinated solvents in the appropriate monitoring wells. S-W agreed to this, L♦F to implement.

C. Chiron EIR/Horton Street By-Pass/MOU

Mark reviewed a "Progress Print" provided by Chiron showing the plan and elevation whereby the Horton Street By-Pass can be engineered to pass over the "cap" on S-W property.

We discussed our expected plan to install a slurry wall on the Rifkin property and to pump contaminated groundwater (within this) to the existing S-W treatment system.

S-W noted that it was meeting with Chiron in the afternoon of 8/8/95 to discuss Chiron's interest in purchasing the Rifkin property and environmental issues.

D. Other

1. Ravi provided a new Policy document to S-W and asked that S-W review and respond to it as it relates to S-W. This deals with risk management issues. S-W to develop a response, which we will discuss at a future meeting.

2. Mark to send Susan Hugo a copy of the S-W site Health and Safety Plan, for her files.

Sum, Ravi and Susan--I hope I have covered the essence of our 2-1/2 hours of discussion. Please feel free to issue any clarifications or supplemental comments.

Very truly yours,

Dave Gustafson

David B. Gustafson
Director of Engineering
and Environmental

DBG/mgd
0810b.dbg

Attached: *List of Attendees*

cc: Susan Hugo, Almeda County Health Agency
Sum Arigala, Ca.RWQCB
Ravi Arulanantham, Ca.RWQCB
M.Knox, Levine•Fricke
D.Ames, S-W
A.Danzig, S-W
S.Free, S-W
F.McHugh, S-W
L.Mencin, S-W