

Meeting at RW&CB, Oakland regarding the
Sherwin-Williams site 5/6/96

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STID 800

May 15, 1996

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

RE: S-W ~ Water Board Meeting of 5/6/96

Dear Sum:

The following are the key points and follow-up items as we discussed and agreed to in our meeting of 5/6/96.

1. Monitoring Wells (sampling and results)

a) **Rifkin Property** (now owned by Chiron)

Mark Knox reviewed the data and groundwater level/concentration maps covering the January sampling round (5 S-W wells plus 3 TMC wells). This was the 9th *Quarterly Sampling* of the S-W wells and, again, there is no significant change in the arsenic plume at the south end of the property.

We discussed the 2 data points showing arsenic at the north end of the property; the suspected source of this is the prior owned Shell property to the east and up-gradient.

b) **Sherwin-Williams Property** (on and off site)

We reviewed the "Draft" data and groundwater level/concentration maps covering the April sampling of 13 new/replacement/existing wells, both A and B zones. The groundwater level map clearly shows a zone of depression around each of the 3 extraction wells; this, coupled with the groundwater level differences on either side of the slurry wall, clearly shows that the A-zone is being de-watered (about 450,000 gal pumped and treated through March). The data also shows arsenic at or below detection limits in the 3 new wells along the west side of the main SPL rail tracks.

Of concern was the detection of arsenic in the 3 on-site B zone wells. The QA/QC aspects of this will be reviewed by Levine-Fricke and Sherwin-Williams.

Note: The final copy of the report for 1.b) above will be completed by L-F and issued to everyone in June.

c) **Sampling Plans** (agreed to on 5/6)

- ♦ Quarterly S-W, on and off site for arsenic TPHd, TPHg, and VOC's, but no SVOC's; both A and B zones.

for groundwater levels, in the S-W wells and the 8 wells on the Rifkin/Chiron property.
- ♦ Semi-Annual on the 8 Rifkin/Chiron property for arsenic, TPHg, TPHd and BTEX.

2. Groundwater Treatment System

The 4/30/96 Quarterly Report by L-F was discussed, including the 2 arsenic and 1 TPHd excursion slightly above discharge limits. The efforts have focused on "fine tuning" of this complex system, to improve the consistency of the final stream. The average flow rate was noted to be about 3 gpm.

Since small amounts of Karo syrup are being introduced to the Tri-Bio unit (as supplemental food for the aerobic bacteria), you requested that a BOD be tested on the effluent--this will be done by L-F in the current quarter. Also, the silica gel filtration will not be done on subsequent samples prior to analysis.

Training of S-W personnel and other measures to prevent spills and deal with emergencies was covered by F.McHugh. This included Awareness Training of all S-W Emeryville plant operators and mechanics, supervised unloading of chemical raw materials, double contaminant system for each of the three chemicals used, containment curbing for the entire treatment system, E-stop button to kill electrical to the entire system, audible alarms monitored by plant people and the security guards, the 18" knife gate near the discharge of the plant stormwater and NPDES stream, etc. This will later be incorporated into the plant RMP (see below).

3. Risk Management Plan (RMP)

We reviewed the draft outline of 4/30/96 prepared by L-F, based on a review of several other RMP's and previous discussion with the CaRWQCB. Sum, you were satisfied with this, but we need feedback from Susan and Ravi.

It was also agreed that the full RMP would not be written for at least another year; this will allow a lot more operating experience and data to be accumulated (from the system and the monitoring wells).

In order to formally provide regulatory requirements and oversight, you suggested that the CaRWQCB may decide to issue Site Cleanup Requirements (SCR) with provisions requiring a RMP.

4. Chiron / S-W -- Negotiations on Remediation Options of the Rifkin/Chiron Property

We advised that S-W and Chiron, with their representative consultants and lawyers, had a settlement meeting in April. S-W and L-F presented 4 remedial options, complete with diagrams and capital/operating cost estimates (and including S-W's preferred option).

We had invited Chiron to this 5/6/96 Sherwin-Williams/Water Board meeting, with the expectation of presenting these options, including one mutually agreed to by Chiron and S-W. However, Chiron did not attend and we will try to arrange a meeting with Chiron and the Board at a later date. We'll keep you posted on this progress.

Dave Gustafson
David B. Gustafson *MD*
Director of Engineering
and Environmental, REM

DBG/mgd
0515b.dbg

cc: S.Hugo
R.Arulanantham
M.Knox-L-F
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