

CONTACT LOG (15900 Hespero)

- 4/23/97 Mr. Briggs called to say that the pump system - Wells C1 + C2 have been shut down since Jan & Feb '96, per the ~~County's~~ Feb 16 '96 letter. Also, he believes that the zoning of the adjacent property is Commercial. However I asked him to check w/ Bldg. Dept. and Assessor's Office.
- 4/24/97 Mr. Briggs called back to say that his consultant has been asked to research zoning and he will put this in writing. He also mentioned that the system has been shut down since July '94 & will include this in upcoming letter.
- 6/10/97 Called Phil Briggs, Chevron, (570) 842-9136, after reviewing first qtr '97 monitoring report and seeing a huge leap in concentration in off-site Well C-11, from Non Detect to 12ppb benzene. Based on the fact this well is below a residential area, & the risk assessment was only conducted for potential exposure to 11ppb benzene, I requested that Wells C-9, C-10, & C-11 be sampled semi-annually. The next sampling event will be conducted in the 3rd Qtr '97 for these wells.

Contact Log (15900 Hesperian Blvd.)

- 3/26/97 Dan Gallagher, Chevron Process & Technology, said that he's been given the verbal go ahead from Phil Briggs to respond to the Coentip comments of 3/21/97. He will submit a response in ~ 2 weeks.
- 4/22/97 Left message for Phil Briggs, Chevron, 842-9136, w/ following questions:
- 1) Has the pump system, previously installed in wells C-1 & C-2, been discontinued or is it still running? If it is still running, then the data submitted by Dan Gallagher, Chevron, regarding the groundwater transport evaluation may be incorrect unless Chevron plans to continue g.w. pumping for many years. If g.w. pumping has been discontinued, then the evaluation should only incorporate that data collected after pumping was stopped.
 - 2) What is the site where the adjacent parking lot is zoned for?
 - 3) Due to businesses on this property, and the conc. of benzene identified in well C-7, which exceed
- 4/22/97 Did drive-by of site to determine what types of sites were located down Hesperian Blvd. from this site. It was commercial on both sides for three long blocks, which appears to be over 1,000 feet from the site.

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1/15/97 cont.

To analyze for bioindicator parameters, although it will just give a "yes-no" answer. Overall, based on real data, it appears that ~~it's~~ been over 10 years of release from C-8, & ^{only} fairly low concentrations (4 ppb) have been identified in Well C-10 at the residence. Will fax over biodecay reference materials.

3/21/97 Called Dan Gallagher, Aurora Research & Technology, (510) 242-1284, w/ comments on the March 11, 1997 revised Groundwater Transport Evaluation.

Question: Pg. 5 - where did Mr. Gallagher get the t-statistic value of 1.96?

Answer: He got it from an ~~alg~~ algorithm installed in Microsoft Excel for calculating UCLs using # of samples, std. deviation, & what % UCL (95 or 90%).

Question: Requested that Mr. Gallagher fax me a couple of pages from the Everett reference for the proposed effective porosity of 0.07.

Question: Pg. 10 - how did Mr. Gallagher estimate values for air & water contents?

Answer: Mr. Gallagher said he took air to water ratios from the ASTM. He took the θ_r value and subtracted Gas & got $14\% / 38\% (\theta_r) = 36\%$ assumed water content. So water to content, in relation to total porosity, was assumed to be $30\% + \text{water air content} = 70\%$. However I questioned

the use of these ratios, which are based on sand, when we have clay at the site. Also, the ASTM uses total porosity, whereas ~~the~~ Mr. Gallagher's equations use effective porosity. He will reevaluate this. He may need letter from this office to do reevaluation. He will check w/ Phil Briggs & get back to me.

Contact Log (15900 Hesperian Blvd.)

1/15/97 Spoke to Phil Briggs, Chevron, 842-9136. Got his ok to discuss the Groundwater Transport Evaluation w/ Dan Gallagher. Will submit overlap of aerial photographs + drawings showing the former USTs + pump islands of ^{The Former} Standard Oil Gas Station as being in the middle of the current Hesperian Blvd. Explained that Wells C-4, C-5, + C-6 could be switched to annual and that Wells C-3, C-9, C-10, + C-11 could be switched to semi-annual, w/ quarterly monitoring continuing for Wells C-1, C-2, C-7, and C-8. This decision was based on the fact that Wells C-9, C-10, + C-11 are located in a residential area w/ fluctuating groundwater conc. Will send letter to Mr. Briggs outlining request + rationale. Also mentioned looking into possible utility trenches + Risk Assessment.

1/15/97 Dan Gallagher, Chevron, (510)242-1284. Requested additional rationale for using 0.15 as the effective porosity. Discussed the biodecay rate used + the possibility of getting a more accurate decay rate based on real sampling data. There is a method called "history matching" using the Prince software where you can compare the real conc. profiles over time w/ graphs that the Prince software generates for different biodecay rates inputted. Can keep doing this until the graphs look alike, in order to get most realistic decay rate. The "history match" can be done for C-8 to C-10, since it is uncertain whether 100% of the plume from C-1 + C-2 are detected in C-8. It would also be helpful. →

Phone Log (15900 Superior Blvd)

- 2/27/95 Left message w/ Mark Miller regarding status of this site. *Would like their status report and 1st QMR 1995 to review before establishing what to do next. J. Shin had requested in a letter (7/94) that the plume be further delineated SE of C-7 - this should have been addressed by 9/94, but to date, no word from Chevron or Weiss
- 9:59 AM Mark Miller returned call:
→ Investigating next door service center - had an aerial photo search of next door site - it might have been a standard station. most recent QMR came back w/ all wells w/ hit even wells that have been historically ND.
- 3:30 Spoke to Mark Miller - he will send 4 QMR 94 ASAP along w/ aerial photo of adjoining Feb.
- 10/4/95 Left msg for M. Miller to call to discuss site status
- 9/6/96 Spoke to Phil Briggs ~~who said~~ to discuss site status - see letter 9/6/96. He said he would get to site next week.
- 12/31/96 Left message for Phil Briggs re investigations at site & the transport evaluation submitted in Oct 96.

PHONE LOG (15900 Husperian)

842-8134

1/5/94

I received a message from Mark Miller that the product lines would be removed from the site. Ammonia and that sampling would be conducted beneath these pipes, as part of reconstruction at the site.

1/7/94

I called Mark Miller & let him know that nobody ever contacted this office or submitted any work plans in proposing the sampling beneath the piping. I warned him that in the future, he must submit a plan and permits, and give us enough advance notice. Mr. Miller stated that the PID had hits as high as 160 ppm. (I left a message for Mr. Miller stating that it may be advisable to wait to install piping until we obtained lab analysis results.) Mr. Miller called & stated that new piping would be installed in a different location and that the trench of the former piping would be backfilled for now, & if any contamination was discovered, it would be addressed at a later date.

8/11/94

Mark Miller, Chevron + Juliet S.

Mr. Miller stated that he wrote a letter in response to the County's letter. He has retained Weiss to prepare a report addressing future investigation/remediation plans for the site. Mr. Miller stated that he might have Weiss look into installing an additional well cross-gradient to Well C-7 to completely characterize extent of plume.

Ph & Conversation 4/15/93

Mark Miller, Chevron 842-8134

Juliet Stein

RE: 15900 Mariposa, San Lorenzo

Mr. Miller called in response to my questions regarding the effectiveness of the current groundwater extraction system at the site. He said that the system was started up in mid-August '92, and that the extraction wells, C1 & C2, silted up by Feb '93 and was not producing an effective flow rate. Therefore, Chevron stopped the extraction system in Feb '93, re-developed the wells and started the system up again in April 12 '93. He said that since re-developing the wells, the flow rate for the extraction system has increased by 50 to 100% of the original flow rate. I asked him what sort of influent

concentrations they were getting from the system. He said that the influent samples collected Feb '93 identified 8,000 ppb TPHg & 390 ppb Benzene.

We discussed how the DTWs don't seem to be showing signs of a cone of depression. Mr. Miller said that in the Dec '92 report, the consultants did not sound points C1 or C2 so there was some strange & inaccurate potentiometric lines produced. But now they are sounding these points. The next sampling round will take place in about 1 week.

DATE 6/4/92

CONTACT LOG

FROM: David Bull AFFILIATION: Union Assoc.
TITLE: _____ PHONE: (510) 547-5420
TO: Juliet Shin AFFILIATION: Alameda County
TITLE: _____ PHONE: (510) 271-4320

RE: STID 776-15900 Hesperian Blvd., San Lorenzo

Mr. Bull stated that if possible, Chevron would like to avoid putting in a concrete pad w/ berms underneath the groundwater extraction system at the site. Mr. Bull was wondering if any requirements or reqs exist regarding this concrete, bermed pad. Ms. Shin stated that, as far as she knew, there are no guidelines, however, that it is in the best interest of Chevron to put in some sort of berm to prevent the migration of a possible surface spill from the system.

Mr. Bull stated that he would check w/ the Building Dept. to see if they have any reqs. regarding this berm.

David Bell called Mr. Shin 6/10/92
let him know that, according to Edson
Consolidate Fire Dept., a concrete-banned
pad would not be required by them for
the proposed g.w. extraction system.
However, Mr. Shin advised that it was
in the best interest of Chemron to
do so.

DATE 4/2/92

CONTACT LOG

FROM: Tom Berry AFFILIATION: Wain Associates
TITLE: _____ PHONE: _____
TO: Juliet Shui AFFILIATION: _____
TITLE: _____ PHONE: _____

RE: STID 776 - Hesperian Blvd, San Lorenzo

Mr. Berry wanted to inform me that he had sent out the materials showing how Wain Assoc. determined the capture zone for the two proposed groundwater extraction systems in wells C1 and C2. The materials were sent out April 1, 1992, and Alameda County should be receiving them soon.

DATE 3/31/92

CONTACT LOG

FROM: Nancy Vukalich AFFILIATION: CHEVRON U.S.A. Inc.
TITLE: _____ PHONE: (510) 842-9581
TO: Juliet Shin AFFILIATION: Alameda County
TITLE: _____ PHONE: (510) 271-4320

RE: STID 776 - Chevron Station at 15900 Hesperian Blvd,
San Lorenzo

Ms. Vukalich stated that during the trenching for groundwater extraction system, additional soil samples could be collected and analyzed from near the underground storage tanks. But the g.w. extraction system work plan needs to be approved first. Ms. Shin informed Ms. Vukalich that materials regarding the capture zone derivation by Weis Assoc. was requested, and that these materials would have to be received before opening work plan.

Ms. Vukalich stated that she sent me requested information.

DATE 3/31/92

CONTACT LOG

FROM: Tom Barry AFFILIATION: Weiss Assoc.
TITLE: _____ PHONE: 547-5420
TO: Julius Stein AFFILIATION: Alameda County
TITLE: Reg. Mat. Spec. PHONE: (510) 871-4320
RE: STID 776 - Chevron site at 15800 Hesperian Blvd,
San Lorenzo

Mr. Barry and Mr. Stein discussed the plausibility of the capture zone for g.w. extraction that was estimated by Weiss Assoc. in the G.W. Extraction Work Plan. Mr. Barry will send me the following:

- 1) Tables on drawdown
- 2) Cooper/Jacob Plots (Interpretive)
- 3) Path logs and travel times

A gradient of 0.002 at the site. However, for the capture zone estimate, a gradient of 0.004 was projected for the site.

From boring logs, Weiss Assoc. determined that the ~~area~~ soils in the vicinity of wells C1 and C7 are less permeable, and suggesting that ~~might not~~ g.w. extraction from wells C1 and C2 may not be very effective near C7. If this were the case, Weiss Assoc. has planned on taking precautions by installing a "T" at C1 to make it easier to hook C7 to the pump if necessary.

Contact Log

DATE: 3/24/92

FROM: Juliet Shin

DEPT: Alameda County Haz. Mat. Division

TO: Nancy Ukelich

DEPT: CHEVRON U.S.A INC

Phone: (510)842-9500

RE: STID 776 - Site located at 15900 Hesperian Blvd., San Lorenzo, CA.

Ms. Ukelich stated that no soil samples were taken when Monitoring Wells C1-C5 were installed at the site in 1983. This was due to the fact that soil sampling was not required then, according to Ms. Ukelich.

Ms. Shin requested Ms. Ukelich to submit to Alameda County Hazardous Materials Division, boring logs for all the wells installed at and for the site; soil sampling results for samples collected during the installation of wells C6 through C12; and a copy of a letter, from a consultant to the site regarding the tank excavation and backfill at the site in 1983.

According to Ms. Ukelich, the site investigations were prompted by tank failure in 1983. In response to the tank failure, the on-site tanks were excavated & removed from the site along w/ some soil. The tank pit was then backfilled w/ clean fill according

to Ms. Ushelich. Ms. Ushelich believes that no
Unauthorized Release Reports were ever prepared.

DATE 3/24/92

CONTACT LOG

FROM: Juliet Shin AFFILIATION: Alameda County
TITLE: Haz. Mat. Specialist PHONE: (510) 271-4530
TO: Tom Berry AFFILIATION: Weiss Assoc., Inc.
TITLE: Geologist PHONE: (510) 547-5420

RE: Chevron station at 15900 Hesperian Blvd, San Lorenzo

Asked Mr. Berry whether any further soil investigations would take place at the site. Ms. Shin said that it might be necessary, and Mr. Berry stated that he would discuss it with Nancy Uehlich.