

THE SUTTON GROUP

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FAX

Date: 1/14/02

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5

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To: **Amir Gholami**

Of: **Alameda Co. Health**

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CC:

From: **John R. Sutton,**

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REMARKS: Urgent For your review Reply ASAP Please comment

Dear Amir:

For the meeting with Oro Loma Sanitary District, today at 2pm, I have prepared the attached time line of events on this project. I will bring some copies to the meeting too.

John Sutton

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SHD
1996

TIME LINE OF EVENTS
Oro Loma Sanitary District
Closure Of 1,000 Gallon Tank Site
2600 Grant Avenue, San Lorenzo, California

- 1978:** This 1,000 gallon tank was installed as the replacement for a pre-existing tank installed in 1961. Until 1985 it stored leaded gasoline. Converted to unleaded gas and used until 1994. No leakage had been noted by records, etc.
- 1989** ~~OLSD begins project to remediate possible soil~~ contamination around its two USTs, the subject gasoline tank and a diesel tank.
- 1990** Mike Cortez becomes project engineer. RFP issued for remediation of the two tank sites.
- 1991(Jan-July)** US Navy calls Mike Cortez to active duty and sent to Persian Gulf. No project activity.
- 1993** Remediation contract awarded to Levine Fricke. Diesel tank removal/remediation proceeds slowly.
- 8/19/1993** Levine Fricke, drills and samples the parking lot around the gasoline tank. AEN's test results dated 8/31/93. No formal report prepared. [Results included in SG's work plan see below.]
- 10/26/1994** The Sutton Group joins project submitting Work Plan for Stage II Tank Removal Investigation, 1,000 Gallon Gasoline Tank to Alameda County (Juliet Shin)
- 11/23/1994** Report issued: Stage II Tank Removal Investigation, 1,000 Gallon Gasoline Tank Site at 2600 Grant Avenue, San Lorenzo, California, prepared by The Sutton Group for Oro Loma Sanitary District, San Lorenzo, California, dated November 23, 1994.
- 1 to 3/1995** Bids prepared, advertised, reviewed for tank removal. Rains delayed work start.
- 1/11/1995** Initial contact with State UST Fund (Cheryl Gordon) re cost reimbursement.
- 5/3/1995** Tank is removed. Amy Leach on site for Alameda County
- 6/7/1995** Report of Removal of 1,000 Gallon Gasoline Tank Oro Loma Sanitary District Service Center, San Lorenzo, California, dated June 7, 1995 issued to ACEH.
- 6 to 8/1995** Remedial alternatives were evaluated, especially bulk soil removal. Stability of the District's Engineering Building was evaluated, including performance of a geotechnical investigation to evaluate shoring requirements during the investigation. The report Geotechnical Investigation for 1,000 Gallon Gasoline Tank Site Closure at 2600 Grant Avenue, San Lorenzo, California, prepared by The Sutton Group, dated August 30, 1995.
- 10/5/1995** Meeting at the site among Amy Leach, Juliet Shin and Tom Peacock of ACEH and Jim Bissell, Mike Cameron and Mike Cortez of OLSD. Resulted in the 11/9/1995 letter from ACEH requesting a soil and groundwater investigation (SWI). Tom Peacock of ACEH introduced the concept of Non-Attainment Zones from the LLNL study.

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OLSD 1000gal tank Time Line

**Oro Loma Sanitary District
Timeline of Tank Closure**

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- 12/6/1995 The results of the geotechnical study were incorporated into The Sutton Group's Report: of Remedial Investigation, Feasibility Study and Proposed Corrective Action Plan for 1,000 Gallon Gasoline Tank Site at 2600 Grant Avenue, San Lorenzo, California, dated December 6, 1995 which was submitted to Alameda County.
- 12/8/1995 Sutton and Amy Leach: discussion of RWQCB's implementation of Non-Attainment Zones (LLNL study).
- 1/9/1996 The Sutton Group/OLSD submits its Work Plan for Soil and Ground Water Investigations for both the Gasoline Tank and for a Diesel Tank site to ACEH.
- 5/15/1996 Report of Soil and Ground Water Investigations at the Former Site of a 1,000 Gallon Gasoline Tank at the Oro Loma Sanitary District Service Center, San Lorenzo, California dated May 15, 1996 submitted to Amy Leach at ACEH in draft form. Amy was working on the Thompson Fence site tank investigation across Grant Avenue. 5/21/1996 Amy Leach's comments received.
- 6/7/1996 The finalized gasoline area investigation report issued to ACEH. The report for the diesel tank area investigation was also dated June 7, 1996.
- 7/24/1996 John Sutton discusses the SWI report with ~~Madhulla Logan~~ of ACEH
- 8/6/1996 Meeting with ~~Amy Leach~~, documented in ACEH's letter to OLSD dated 8/12/1996: Letter states "the extent of the contaminant plume has been adequately defined to the north, northwest, and southeast. However, additional plume delineation is needed in Grant Avenue." The work plan is to include a Tier 1 RBCA evaluation of health risk to occupants of the District's Engineering Building, under which the plume extends.
- 8/29/1996 John Sutton discusses Tier 2 RBCA risk assessment parameters with ~~Madhulla Logan~~ of ACEH.
- 9/10/1996 Site status meeting among Amy Leach, District staff (Cameron, Bissell, Cortez) and Sutton.
- 9/19/1996 Site meeting among Amy Leach, Kevin Graves (RWQCB), District staff (Cameron, Bissell, Cortez) and Sutton including discussion of (a) the beneficial effects of the rodent-proofing slab beneath the Engineering Building in regard to its preventing vapors migrating from the soil to the work space; and (b) the POTW as ground water plume receiver/bio-reactor, thus no offsite contaminant migration to Grant Avenue, and no other properties being harmed by plume. This would be a satisfactory solution but to be proven by further investigation.
- 9/15/1997 Letter from Brian Oliva of ACEH, introducing himself as Case Officer, Brian visits the site, extends work plan submittal date.
- 10/23/1997 Submittal of Work Plan for Supplemental Site Evaluation in the vicinity of the former site of the 1,000 Gallon Gasoline Tank, including RBCA health risk assessment for Engineering Building prepared by certified professional risk assessor acceptable to RWQCB and ACEH. Work plan by The Sutton Group

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- includes SWI for plume definition and passive air sampling under and around Engineering Building.
- 1/26/1998 Work plan review letter from Brian Oliva and Madhulla Logan concurring with the investigation plan as-submitted.
- Discussions with Calif UST fund re funding of future work.
- 6/13-15/1998 Field investigation (borings, soil and ground water, and air sampling) performed.
- 7/13/1998 Report of Supplemental Soil and Ground Water Investigations at the former Site of a 1,000 Gallon Gasoline Tank, prepared by The Sutton Group for Mike Cortez, and issued to Alameda County Health Dept. Report concludes that sewer lines are the conduit to the treatment plant, as postulated; and that the subsurface plume poses no threat to personnel.
- 8/26/1998 Letter by ACEH accepting the report. Request that 3 ground water monitoring wells be installed and sampled quarterly for one year.
- 12/18/1998 Submittal of work plan for Installation of 3 Ground Water Monitoring Wells.
- 12/28/1998 Letter from Amir Gholami of ACEH indicating that he was now the case officer. He "concurd with the scope of the work plan" Additionally, program is required to include one-time sampling for "7 oxygenates".
- 1/15/1999 Letter, Sutton to ACEH re: modify WP, adding analysis for 7 oxygenates in initial ground water sampling round.
- 1/26/1999 Letter ACEH (Gholami) approving the work plan with addition of oxygenate analysis.
- 2/11/1999 Installation of three ground water monitoring wells.
- 3/16/1999 Submittal to ACEH of report of Installation of Ground Water Monitoring Wells, Former Gasoline Tank Closure, 2600 Grant Avenue, San Lorenzo, CA. Prepared by The Sutton Group for Mike Cortez, Oro Loma Sanitary District. March 16, 1999. Included first quarterly sampling and oxygenate analysis results.
- 3/16/1999 Well logs submitted to Alameda Co Public Works.
- 3/31/1999 Letter, ACEH (Gholami) "I concur with the results submitted and the plans for future sampling."
- 6/9/1999 Results of Second Quarterly Monitoring submitted.
- 6/14/1999 Letter, ACEH (Gholami) "I concur with the results submitted June 9 and the plans for future sampling."
- 9/21/1999 Results of Third Quarterly Monitoring submitted
- 9/30/1999 Letter, ACEH (Gholami) "I concur with the results submitted and the plans for future sampling."

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- 1/17/2000 Report of Quarterly Sampling of Ground Water Monitoring Wells, Former Gasoline Tank Site Closure, prepared by The Sutton Group Results four quarterly samplings and discussion, dated January 17, 2000.
- 2/20/2001 Application for closure of the three monitoring wells prepared by Sutton. Unfortunately, due to an administrative glitch, the application was not submitted by District to ACEH until August 14, 2001.
- 8/20/2001 Letter from ACEH (Gholami) to District. In review of the Closure Application, requests two additional monitoring wells be installed within the plume, and monitored quarterly.