

**FINAL  
Meeting Minutes**

<p><b>Meeting Subject:</b> Norwalk Tank Farm Restoration Advisory Board (RAB) Quarterly Meeting</p>	<p><b>Meeting Date:</b> <u>23 January 1997</u> <b>Meeting Time:</b> 6:30 p.m. <b>Meeting Place:</b> City of Norwalk Lower Level Conference Rm.</p>
<p><b>RAB, PROJECT TEAM, AND OTHER ATTENDEES</b></p>	
<p><b><u>RAB Community Members</u></b> D. Caughey E. Garcia D. Fogle M. McIntosh W. Miller J. Pellam J. Rifulato L. Smith W. Sterner M. Young</p>	<p><b><u>Other Members</u></b> J. Anderson (City of Norwalk) R. Babel (City of Cerritos) T. Danaher (SFPP) Dr. Duran (OCCS) Dr. Landolph (OCCS) J. Leserman (WRD) H. Marley (RWQCB)</p>
<p><b><u>Other Attendees</u></b> H. Dogrul (DFSC) B. Hoskins N. Irish (FD-GTI) D. Kerin (WCFS) J. Lu (Geoscience) K. Pearce (Bellflower Somerset Water) D. Sandstrom (Geomatrix) J. Trani (DFO-LA) T. Whyte (WCFS) D. Williams (Geoscience)</p>	<p>DFO-LA = Defense Fuel Office-Los Angeles DFSC = Defense Fuel Supply Center DTSC = Dept. of Toxic Substances Control FD-GTI = Flour Daniel GTI OCCS = Offsite Chemicals Cleanup Subcommittee RWQCB = Regional Water Quality Control Board SFPP = Santa Fe Pacific Pipelines WCFS = Woodward-Clyde Federal Services WRD = Water Replenishment District of Southern California</p>
<p><b><u>Absentees</u></b> None</p>	
<p><b><u>BACKGROUND</u></b></p>	
<p>DFO-LA and SFPP are conducting environmental cleanup activities at the area in and around the Defense Fuel Support Point Norwalk, also known as the Tank Farm, located at 15306 Norwalk Boulevard, Norwalk, CA. The RAB is an advisory committee of local citizens and project members that reviews and comments on documents relating to the environmental cleanup. All RAB meetings are open to the public and are scheduled quarterly on the last Thursday of the month at 6:30 p.m. unless otherwise voted on by the RAB community membership.</p>	

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Item	Description of Discussion and Action Items	Responsible Party	Due Date
1.	<p><u>Introduction</u> Tom Danaher, SFPP, Meeting Chair</p> <p>The minutes from the 24 October 1996 meeting were reviewed. The minutes, with amendments from Laurie Smith, were approved unanimously.</p>	N/A	
2.	<p><u>OCCS Update</u></p> <p>Bill Miller reported there have been two conference calls since the last meeting. The OCCS is working on a Draft Risk Based Corrective Action Plan. They are close to a draft final. Gene Garcia said they are lurching forward and should have something to present at the next RAB meeting. Mr. Danaher said they should have the first full draft by 5 February. Then they will have an OCCS meeting on 13 February.</p> <p>An off-topic discussion took place regarding big rigs that were going in and out of the facility. John Rifilato said they were for the dust control measures. A letter was sent out to the community before the work started. The contractor should be finished using the big rigs.</p>	OCCS Members	Next RAB meeting
3.	<p><u>SFPP Update</u> Tom Danaher, SFPP</p> <p>Mr. Danaher recapped and showed maps of the groundwater plume areas, the 1,2-DCA plume, and the current remediation systems.</p> <p>The soil vapor extraction system has removed approximately 25,000 gallons of fuel since the October 1996 RAB meeting (125,000 gallons total). Approximately 740,000 gallons of water has been pumped and treated through the west side barrier system since the last RAB meeting (1.53 million gallons total). Approximately 100 gallons of liquid fuel has been recovered since the October RAB meeting (5,000 gallons total).</p> <p>There have been product thickness changes. Some wells have gone up, some have gone down. Neil Irish said a similar occurrence is happening in the central area cleanup. Mr. Danaher said they are looking at redeveloping six wells</p>	Co-chairs	Next meeting

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	<p>to speed cleanup. Mary Jane McIntosh asked for this topic to be placed on the next agenda.</p> <p>The west side barrier system has been in operation since October 1996 and is pumping at a rate of 40 to 50 gallons per minute. Preliminary results show a bigger zone of influence than expected.</p> <p>The results of the latest groundwater monitoring event should be complete before the next RAB meeting. The RAB requested two weeks to review the results before the next meeting.</p> <p>A question was raised about other chemicals found in monitoring. Mr. Danaher said he will address what these chemicals are and where they came from at the next RAB meeting.</p> <p>Ms. Smith noted that she is happy with the data in the last report. She also said MTBE is increasing and needs to be addressed.</p>	<p>Neil Irish</p> <p>Tom Danaher</p>	<p>End of Feb./ beginning of March</p> <p>Next RAB meeting</p>
4.	<p><u>DFO-LA Update</u> Joe Trani</p> <p>The central portion remediation system has been in operation since June 1996. 52,000 gallons of hydrocarbons have been recovered, 22,000 gallons of which was free product and 30,000 gallons which was extracted vapor.</p> <p>They have recovered an average of about 250 gallons per day. They have recovered about 13 percent of what is in the ground after seven months of operation.</p>	N/A	
5.	<p><u>Geoscience Report Results</u> Dennis Williams, Geoscience</p> <p>Jill Anderson introduced Dennis Williams of Geoscience. The Cities of Norwalk and Cerritos hired Geoscience for an independent review of the Tank Farm environmental studies.</p> <p>Mr. Williams said his company was tasked with looking into what potential risks the fuel spill had on the groundwater supply. Areas of interest include the Tank Farm and the Montebello Basin Area. He discussed the regional geohydrological setting and the site hydrology. He discussed the contamination of soil and groundwater, remediation</p>		

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	<p>efforts, and potential impacts of contaminant migration. Vertical migration is a concern because the three wells in the deep aquifer have shown traces of organic materials. Some shallow wells have shown concentration variations. Trace amounts of contaminants have been found in the exposition aquifer.</p> <p>If not controlled, Geoscience estimates that MTBE could migrate to the forebay area in as short as 13 years (35 ppb) and 1,2-DCA in as short as 12 years (0.5 ppb).</p> <p>The Geoscience report has the following recommendations:</p> <ol style="list-style-type: none"> <li>1. Remediation of offsite plumes (underway)</li> <li>2. Elimination of Contamination Sources</li> <li>3. Additional Deep Aquifer Monitoring Wells</li> <li>4. Additional Shallow Wells to Monitor Horizontal Migration</li> <li>5. Additional Deep Wells to Characterize Bellflower Aquitard and Monitor Vertical Migration</li> <li>6. Timely Analysis of Data</li> <li>7. All Contaminants should be Monitored</li> <li>8. Benzene, 1,2-DCA, PCE, and MTBE should be Closely Monitored</li> <li>9. More Frequent Sampling</li> <li>10. Assessment of Cleanup Efforts and Prediction of Potential Impacts to Wellfields.</li> </ol> <p>Mr. Williams said decreasing concentrations over time is the only way to see if plume is shrinking.</p> <p>Ms. McIntosh requested he prioritize his recommendations. Mr. Williams recommended numbers 6, 5, and 10 as priority.</p> <p>After a brief discussion about the choosing of wells to sample, the RAB voted unanimously to talk about which wells to sample at the next RAB meeting.</p>	Co-Chairs	Next RAB meeting
6.	<p><u>Discussion of Geoscience Report</u></p> <p>Mr. Irish of Fluor Daniel-GTI concurred with most of Mr. Williams' recommendations. He felt there were enough wells there already, and there is no need to install more as in recommendation number 4. He also said he did not think number 5 would be prudent; the state will not let them punch</p>	N/A	

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	through to the deep wells. They will take more samples and send to Global for analysis. Regarding number 10, he said assessment of cleanup efforts is an ongoing effort.		
7.	<p><u>Set Date and Agenda for Next Meeting</u> Tom Danaher</p> <p><b>The next RAB meeting will be held Thursday, March 20, 1997, at 6:30 p.m. in the Norwalk City Hall Lower Level Conference Room.</b> Twelve RAB members voted yes on the date vote. The agenda is to include:</p> <ul style="list-style-type: none"> <li>-Geoscience (RAB input)</li> <li>-Results of west side barrier sampling</li> <li>-RAB input on well sampling</li> <li>-Discussion of Occurring Chemicals</li> <li>-MTBE Testing</li> <li>-Site Tour (propose date)</li> <li>-Progress Update of Noise Reduction</li> <li>-Discussion of PCE</li> <li>-Discussion of Test Methods</li> </ul>	All	Meeting 3/20/97
8.	<p><u>Public Comment Period</u></p> <p>Mr. Irish gave an outline of the Lab process:</p> <ol style="list-style-type: none"> <li>1. Field work</li> <li>2. Sampling Wells (one week)</li> <li>3. Samples in Lab 10-15 working days before results obtained</li> <li>4. Compilation of Data</li> <li>5. Report Preparation</li> <li>6. Review and Edit Report findings</li> <li>7. Issuance of Report</li> </ol> <p>One time this process took one year. They are working on compressing turnaround time to two months or so.</p> <p>Jim Leserman suggested providing raw data in tabular form to speed things up for the RAB. Mr. Danaher cautioned against this. Dr. Landolph and Dr. Duran concurred with Mr. Danaher, saying that putting too much pressure on the lab could skew results and that it needs to be validated data. Lt. Col. Gross said reports could get done between RAB meetings.</p>	N/A	

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	<p>David Fogle asked Ms. Anderson about an article in the Press Telegram. She said she did not write it but would look into it and address his concerns.</p> <p>Ms. Smith wants to analyze test methods: why two methods?</p> <p>Mr. Danaher adjourned the meeting at 9:15 p.m.</p>		