

**FINAL
Meeting Minutes**

<p>Meeting Subject: Norwalk Tank Farm Restoration Advisory Board (RAB) Fourth Meeting</p>	<p>Meeting Date: <u>JANUARY 25, 1996</u> Meeting Time: 7:00 p.m. Meeting Place: Dolland Elementary</p>		
<p style="text-align: center;">RAB, PROJECT TEAM, AND OTHER ATTENDEES</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><u>RAB Community Members</u> D. Caughey E. Garcia M. McIntosh W. Miller L. Smith W. Sterner M. Young (New Member)</p> <p><u>Other Attendees</u> T. Danaher (SFPP) K. Deane (Meeting Facilitator, WCFS) B. Hoskins (Citizen) N. Irish (GTI) A. Kopf (GTI) T. McLane (SFPP) B. Merselis (ALT Environmental) D. Swensson (GTI) T. Whyte (WCFS)</p> <p><u>Absentees</u> D. Fogle</p> </td> <td style="width: 50%; vertical-align: top;"> <p><u>Other Members</u> C. Albanez (DTSC) J. Anderson (City of Norwalk) R. Babel (City of Cerritos - New Member) Lt. Col. Gross (DFR-W) J. Leserman (WRD) H. Marley (RWQCB) J. Rifilato (Tenco Services)</p> <p>DFR-W = Defense Fuel Region-West DTSC = Dept. of Toxic Substances Control GTI = Groundwater Technology, Inc. RWQCB = Regional Water Quality Control Board SFPP = Santa Fe Pacific Pipelines WCFS = Woodward-Clyde Federal Services WRD = Water Replenishment District of Southern California</p> </td> </tr> </table>		<p><u>RAB Community Members</u> D. Caughey E. Garcia M. McIntosh W. Miller L. Smith W. Sterner M. Young (New Member)</p> <p><u>Other Attendees</u> T. Danaher (SFPP) K. Deane (Meeting Facilitator, WCFS) B. Hoskins (Citizen) N. Irish (GTI) A. Kopf (GTI) T. McLane (SFPP) B. Merselis (ALT Environmental) D. Swensson (GTI) T. Whyte (WCFS)</p> <p><u>Absentees</u> D. Fogle</p>	<p><u>Other Members</u> C. Albanez (DTSC) J. Anderson (City of Norwalk) R. Babel (City of Cerritos - New Member) Lt. Col. Gross (DFR-W) J. Leserman (WRD) H. Marley (RWQCB) J. Rifilato (Tenco Services)</p> <p>DFR-W = Defense Fuel Region-West DTSC = Dept. of Toxic Substances Control GTI = Groundwater Technology, Inc. RWQCB = Regional Water Quality Control Board SFPP = Santa Fe Pacific Pipelines WCFS = Woodward-Clyde Federal Services WRD = Water Replenishment District of Southern California</p>
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<p><u>BACKGROUND</u></p> <p>DFR-W 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 7:00 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>Opening</u> Lt. Col. Gross</p> <p>Lt. Col. Gross chaired the meeting. The minutes of the September 28, 1995, meeting were reviewed and approved. Kellie Deane explained the meetings will be conducted to be more in line with the Rules of Operation and the three co-chairs will alternate chairing the meetings.</p> <p><u>Administrative</u> - Item moved to opening at the request of a few RAB members.</p> <p>Two new membership applications were received. Each candidate briefly introduced himself. Ming Young owns property on Cheshire Street. Ron Babel is a Water Superintendent with the City of Cerritos. Both applications were approved unanimously by the RAB membership.</p>	N/A	
2.	<p><u>RAB Rules of Operation</u> Eugene Garcia, Ph.D.</p> <p>To be continued at next meeting.</p>	Co-Chairs	Next Mtg.
3.	<p><u>Off-Site Remediation and RAP Discussion</u> Neil Irish</p> <p>Mr. Irish distributed five additional copies of the Remedial Action Plan for the Tank Farm Area. He went over the main points in the document. He said the RAP shows how a cleanup method was chosen. Remediation pilot studies were conducted to quantify how many wells would be needed. The system will be starting with four horizontal wells and one thermal oxidizer. He mentioned that horizontal wells are expensive. He also said cleanup goals are still under negotiation between GTI and the RWQCB, but this will not affect system startup. Startup will take place in about three weeks, and they will begin evaluating the system's effectiveness immediately.</p> <p>There was a discussion on the frequency at which monitoring wells are tested. Mr. Irish said that DFSC, SFPP and the RWCQB work together to choose which wells to monitor. Having received consistent sampling results over the years, they have a good understanding of the existing</p>		

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	<p>contamination so they know which wells to watch. He added that since there are so many wells they need to pick certain ones to monitor for economical reasons. Hugh Marley of the Regional Water Quality Control Board mentioned they are also more concerned with the outer wells, because these wells indicate whether the plumes are spreading or not.</p> <p>There was also a lengthy discussion about the writing of the RAP. In addition to spelling and grammatical errors, some RAB members found some of the wording confusing and in need of clarification. Lt. Col. Gross explained that because the project is on a fast track, the revised RAP has moved swiftly through the regulatory approval process so remediation can begin. He also said it would be non-productive to go back and make changes in this document, but future documents will be provided to the RAB in a draft form. He also requested, due to time constraints, that comments be submitted in writing.</p> <p>After a five minute break, Mr. Irish discussed the 1,2-DCA plume that extends off-site to the west. In 1992 the plume was discovered, and its limits were defined in 1993. The plume has been and continues to be monitored by on- and off-site wells. The focus is on the south portion of the terminal, where the highest concentrations occur. Depth to groundwater, where the plume is located, is 30 feet. 1,2-DCA has been found in the soil. Remediation in the southern area began in September 1995 by SFPP. GTI also began the installation of a barrier system along the western property boundary. Three wells are in place and will be started up in a few weeks. These wells will stop additional contaminants from going off-site and, in addition, pull some contamination back on-site for remediation.</p> <p>Alex Kopf next gave a presentation regarding the Risk Assessment that was conducted for the site. He described 1,2-DCA, saying it is water soluble and heavier than water. He said the two main points to consider are: what is the current risk at the site due to 1,2-DCA; and what is the future risk. He emphasized that the Risk Assessment was conservative, or health-protective; that is, he overstates the risk when making estimates. The Risk Assessment found very little migration. No vapors in the subsurface were</p>		

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	<p>detected. Concentrations of 335 parts per billion in the groundwater would cause an estimated 0.0026 parts per trillion exposure in a house. The Risk Assessment indicated that the risk to residents and on-site workers was 10^{-8}, which is well below the State regulated acceptable level of 10^{-6}. He said there would be a health risk if the plume reached the well between Funston and Mapledale. He also said that this information does not mean it is okay for the plume to be there, but it means there is no [current] health risk associated with it.</p> <p>Due to time constraints, Lt. Col. Gross asked for questions in writing and promised to address them at the next regular meeting.</p>		
4.	<p><u>Progress Update</u> Tom Danaher</p> <p>The Sound Survey was conducted in three phases from September to December 1995. From 5:30 to 7:00 a.m. they experienced too much noise from the roads. The remediation equipment operated below city noise ordinances by day, but above the noise ordinances by night. Remedies to bring it in compliance will include changing the speed of the blower, more sound padding, as well as operational changes. Due to safety considerations, some remedies can't be implemented right away.</p> <p>The south central remediation system has 22 vapor extraction wells, and five are needed off-site. 46,000 gallons of product have been recovered and treated (36,000 since last report). The liquid recovery system has 6 groundwater wells, but SFPP still needs off-site access. 60,000 gallons have been removed and treated. 400 gallons of free product have been recovered. Mr. Danaher, Gene Garcia, and Jill Anderson met with property owner J.D. Chang to ask for access to his property. Mr. Danaher expects to hear back from Mr. Chang next week.</p> <p>The plan for the 24 inch block valve leak on the south eastern side has been reviewed by RWQCB, but they still need approval on the Health and Safety plan. They are doing soil vapor extraction, product sampling, and air sparging.</p>		

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	The second Semi-Annual Groundwater Monitoring event report is in draft form. There is a lot of data to be analyzed. The final report is due in February. Preliminary results indicate some aquifer recharge; the benzene and 1,2-DCA plumes are the same size; and no benzene in the deep aquifer. The next sampling event is planned for March.		
5.	<u>Summary of Community Interviews</u> Tim Whyte Tabled to a future date.		
5.	<u>Administrative</u> In order to complete this meeting's unfinished business, the RAB membership voted to have one meeting before the next quarterly scheduled meeting of April 25, 1996. The additional meeting's date is to be determined.	Co-chairs	
6	<u>Question and Answer Period</u> Deferred to next meeting due to time constraints. Written questions/comments may be submitted to DFR-W. The meeting was adjourned at 9:35 p.m.		