

# FINAL

## Meeting Minutes

<b>Meeting Subject:</b> Norwalk Tank Farm Restoration Advisory Board (RAB) Quarterly Meeting	<b>Meeting Date:</b> <u>18 October 2001</u> <b>Meeting Time:</b> 6:30 p.m. <b>Meeting Place:</b> Norwalk Arts & Sports Complex
<b>RAB, PROJECT TEAM, AND OTHER ATTENDEES</b>	
<b><u>RAB Community Members</u></b> E. Garcia B. Hoskins M. McIntosh (Co-Chair) W. Sterner	<b><u>Other Members</u></b> R. Babel (City of Cerritos) C. Quinn (KMEP) (Co-Chair) A. Townsend (RWQCB) Lt Col Wilson (DESC-LA) (Co-Chair)
<b><u>Other Attendees</u></b> E. Conard (KMEP) G. Coppola (Geomatrix) C. Davis (City of Norwalk) N. Irish (GTI) J. O'Neill (March ARB) M. Sandon (KMEP) T. Whyte (URS)	DESC-LA.....Defense Energy Support Center- Los Angeles GSA.....General Services Administration GTI.....Groundwater Technology, Inc.; a wholly- owned subsidiary of IT Corporation KMEP .....Kinder Morgan Energy Partners OCCS .....Offsite Chemicals Cleanup Subcommittee RAB .....Restoration Advisory Board RBCA.....Risk-Based Corrective Action RWQCB .....Regional Water Quality Control Board URS.....URS Corporation WRD .....Water Replenishment District of Southern California
<b><u>Absentees</u></b> J. Anderson (City of Norwalk) D. Caughey J. Leserman (WRD) W. Miller J. Rifilato	
<b><u>Not Attending</u></b> Dr. Duran (OCCS) Dr. Landolph (OCCS)	
<b><u>BACKGROUND</u></b> DESC-LA and KMEP 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.	

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Item	Description of Discussion and Action Items	Responsible Party	Due Date
1.	<p><u>Introduction</u> Mary Jane McIntosh, Community Co-Chair, Meeting Chair</p> <p>Mary Jane McIntosh called the meeting to order. She announced that RAB member Ming Young has passed away. She also said Bill Miller and David Caughey would both miss tonight's meeting. Mr. Caughey recently had surgery to replace both knees. Jill Jefferson of Kinder Morgan Energy Partner (KMEP) has been given a promotion. Catherine Quinn will take her place as KMEP RAB Co-Chair.</p> <p><b>Review of Minutes.</b> Ms. McIntosh asked for comments on the minutes of the August 2, 2001 meeting. Ms. McIntosh asked for a motion to approve the minutes. The motion was made by Wanda Sterner and seconded by Eugene Garcia. The motion passed without opposition.</p>	N/A	
2.	<p><u>RBCA Update</u> Catherine Quinn, KMEP</p> <p>Ms. Quinn said they expect to receive comments back from the Regional Water Quality Control Board (RWQCB) sometime next week on the Risk-Based Corrective Action (RBCA) report. Ana Townsend of RWQCB said the comments are done and are undergoing management review. They do not include comments from the Office of Health Hazard Assessment (OEHHA) but will include comments on the Sensitivity Analysis. Ms. McIntosh requested that copies of RWQCB's comments be sent to all RAB members.</p>	KMEP	11/02/01
3.	<p><u>KMEP Update</u> Catherine Quinn, KMEP</p> <p><b>Remediation Update.</b> Ms. Quinn said that 9,069 gallons equivalent of fuel have been removed from the soil and destroyed through thermal oxidation since the August 2001 RAB meeting, and 371,392 gallons equivalent of fuel since September 1995. She described the groundwater/product extraction system. From the South-Central Plume area, more than 67,000 gallons of groundwater have been extracted since the August 2001 RAB meeting. From the 24-inch Valve area, 613,345 gallons were extracted. More than 250,000 gallons were extracted from the West-Side Barrier area. No free product was removed in this period. Total groundwater removed since September 1995 includes 20.2 million gallons from the South-Central/24-inch Valve areas, and 5.6 million gallons from the West-Side Barrier area, for</p>	N/A	

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	<p>a total of 25.8 million gallons. A total of 8,735 gallons of free product has been removed. Some of the totals were estimated due to a malfunction of flow meters. They have ordered new ones and expect them to be replaced within the next couple of weeks.</p> <p>Ms. McIntosh asked about the graph showing the operations summary and the flattening cumulative product extracted line. Ms. Quinn said that the cumulative product extracted amounts were flattening because a lot of free product has already been removed and because of groundwater level fluctuations. Mr. Garcia asked if that was true. Greg Coppola said groundwater levels at the site have risen 8 to 10 feet in the past 8 to 10 years. Neil Irish said the drought of the late 1980s caused low groundwater levels at the site. As the water levels rise, it pushes the product back and some wells can become flooded. This is why pumping has not been as aggressive lately and air sparge system use has increased.</p> <p>Mr. Coppola said they moved the extraction pumps around 2 to 3 years ago in an effort to recover more product. They extracted more water, but he does not see much more product to be removed. Ms. Townsend said that just because no free product is being removed, it does not mean that no contaminated groundwater is being removed. Mark Sandon said that the graph does not show how much contamination is removed. They are getting to the point of not removing much free product. Ms. Quinn said the mass from the dissolved phase being removed is increasing.</p> <p>Ms. Sterner asked about the bioremediation organisms. Ms. Quinn said they are attached to soil. Mr. Hoskins asked how can you tell if the organisms are healthy. Mr. Sandon said they are usually healthy on the fringes of the plume, but in the middle there is too much contamination for the organisms to survive. Mr. Irish said that existing sparge wells are monitored by using a probe to test dissolved oxygen content and temperature. The water heats up as the organisms eat more. Therefore, they can tell the zones of effectiveness by an increase in temperature and then place new wells in areas where the organisms are not effective.</p> <p><b>Sentry Well Monitoring.</b> Ms. Quinn said that 23 wells, including the five Exposition Aquifer wells, were monitored in September 2001. Chemical concentrations detected were similar to previous sampling events. No chemicals were</p>		

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	<p>detected in the Exposition wells. Well MW-20(MID) was resampled. Concentrations of 1,2-DCA (1,2-dichloroethane) and MTBE (methyl tertiary butyl ether) were back in the historical range, so the higher concentrations detected in May 2001 appear to be anomalous. Wells GMW-4 and MW-9 were monitored as per Ms. Sterner's request. A sheen was observed, so the wells were not sampled. The canisters remain in the wells. A continued decrease in MTBE concentrations was observed. Well GMW-36 went from 1,600 to 1,000 parts per billion (ppb), and well MW-19(MID) went from 490 to 200 ppb. MTBE concentrations in well MW-8 increased from 480 to 1,000 ppb, which is much lower than the historical high of 26,000 ppb.</p> <p><b>Remediation System Enhancements.</b> Ms. Quinn said that KMEP will be conducting a pilot study for the air sparging restart at the 24-inch Valve area. They will redevelop some West Side Barrier wells to increase flow rates and system efficiency. They will also install flow meters for individual West Side Barrier wells. Mr. Garcia asked how much would the flow rate increase. Ms. Quinn said she was not sure about the number, but they hope for an increase in efficiency. After the wells are redeveloped, water will flow more freely through the wells. Mr. Garcia asked if there was an increase in efficiency when rates were increased a year ago. Ms. Quinn said that efficiency actually decreased in some wells that had the gravel pack obstructed. Ms. McIntosh said that in one year the wells may have to be rehabilitated again.</p>		
4.	<p><u>DESC-LA Update</u> Neil Irish, IT Corp.</p> <p>Ms. McIntosh asked the members to review the new roster to ensure their information is correct. The local State Assembly and State Senate representatives will be added. She also announced that Paul Rogers and Kola Olowu did not make tonight's meeting due to the military's limit on travel. They are keeping in touch via e-mail.</p> <p><b>Central Plume Remediation System Update.</b> Mr. Irish said that since 1996, the Central Plume remediation system has recycled and destroyed approximately 135,360 gallons of fuel. This includes 55,653 gallons of free product recovered, but no free product was removed this past quarter. Approximately 78,373 gallons have been destroyed in the thermal oxidizer. They have also seen a plateau of mass removal in the Central Plume. They have treated almost 34</p>		

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	<p>million gallons of water. They are constantly adjusting the pumping to maximize efficiency. In addition, 1,334 gallons of dissolved phase hydrocarbons have been recovered. Mr. Irish displayed a chart that showed that in 2000 the hydrocarbon recovery curve got steeper due to the initiation of the 16 air sparge wells, but now the curve is flattening. They hope for an increase when they install the new air sparge wells.</p> <p><b>Other Topics.</b> Mr. Irish said they are still working with KMEP and Geomatrix on changes in the sampling plan and wells to abandon. They had a meeting last Friday and reviewed the list of wells. The sampling plan in November 2001 will be the same as in May 2001. The proposed changes in the 2002 sampling plan will be discussed at the January 2002 RAB meeting.</p> <p>IT Corporation (IT) recently conducted an investigation of the Truck Rack area. Wells GMW-4 and MW-9, which are in that area, have free product and there are other dirty wells nearby. They have received the data and are working on the report. There have been previous releases in the two areas around the truck loading stand. The good news is that they did not find any new free product. The report is due to be submitted to RWQCB in three to four weeks. A copy will be placed in the library.</p> <p>During the Environmental Baseline Survey interviews, they heard rumors of an underground storage tank in the Powerine Basin. IT conducted a geophysical survey of the area using ground penetrating radar. They found all the wells but nothing else. If there had been a tank there, they would have observed soil compaction. Since there was no soil compaction found, they do not believe an underground tank was in this area. They will file a report with DESC.</p> <p>Mr. Irish said they are one week away from getting the new sparge wells into the network. Then they will turn on the wells and balance the system, which will take a few weeks. A decision was made today to hook up the three wells in the northeast area of the Tank Farm to the remediation system. Since the ground is already torn up for the sparge wells, it will not take much more trenching to hook up the three wells. This will add about one more week to the schedule.</p> <p>In about one week, Mr. Irish hopes to get approval to conduct groundwater fate and transport modeling of the</p>	<p>DESC/KMEP</p> <p>IT Corp.</p> <p>IT Corp.</p>	<p>1/31/02</p> <p>11/15/01</p> <p>TBD</p>

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	<p>Tank Farm area. This will help to determine the goal of the cleanup efforts in the area.</p> <p>IT received approval today to conduct an investigation below the existing tanks. Currently, they have no direct evidence of the soil conditions below the tanks. Since the tanks are now empty, they can go under the floating roofs with a small drill rig to use a direct-push sampling method. The inner tanks have concrete bottoms. One sample will be taken at each tank that is not suspected of leaking, and three or four samples will be taken at each suspect tank. The work plan is due to RWQCB in about one week. They will report more at the next RAB meeting. Lt Col Wilson said that this is a great way to gather more information</p> <p><b>Environmental Baseline Survey (EBS).</b> Jim O'Neill of March Air Reserve Base (ARB) said that IT did an excellent job preparing the Environmental Baseline Survey (EBS) of the Tank Farm. They did extensive interviews and records searches of information on the Tank Farm and the San Pedro Pipeline. An EBS is required by the Department of Defense for any real estate transaction. This is not a NEPA (National Environmental Policy Act) document, which discusses future work, mitigation, and costs. An EBS only covers information up to the present. Information for the EBS was gathered through review of historical reports and investigations, interviews, site inspections, and review of data files. The information is used to find disclosures, data gaps, or things people did not document to determine if the property is suitable for transfer. No natural or cultural environmental factors were identified. No known hazardous substances were stored on site for more than one year. Over a 78-year period, site use has resulted in petroleum-related contamination. Disclosure factors identified include the possibility of lead-based paint in the buildings; asbestos was observed; and chemicals in the Quality Assurance Laboratory must be removed and disposed [Note: this has since been completed]. Data gaps identified include the waste oil disposal area; the truck transfer station and water tank area; areas beneath the tanks; and the closure status of the former underground storage tank adjacent to Batch Shed #2. The EBS placed the site in Category 2, meaning only the release or disposal of petroleum substances occurred, so they can release the property for disposal.</p> <p>Mr. O'Neill said he put five EBS reports together for Benedetta Caiazza, March ARB Realty Officer, for her</p>	IT Corp.	1/31/02

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	<p>review. Then they send the report to the Air Force Reserve Command (AFRC) at Robbins Air Force Base in Georgia, where they will go over it with a fine-tooth comb. The document is on the fast track, but this part of the process could take four to six months. From AFRC, the document goes to the Department of the Air Force at the Pentagon. This review could take one to four months or longer, depending on the situation there. Then the Air Force sends the document to the General Services Administration (GSA). Mr. O'Neill was not sure how long the GSA would take to review it, but review could be up to four months. Once GSA receives the property, it is theirs to do with what they want. He believes they are working with Congresswoman Napolitano on this issue. He stressed that the timeframes he discussed are very ambiguous and could change depending on circumstances. Ms. McIntosh pointed out that Alfonso Mendez of GSA had volunteered at a previous meeting to prepare a fact sheet on the process. LtCol Wilson has contacted Mr. Mendez, who has agreed to provide the fact sheet prior to the next meeting. LtCol Wilson will continue to follow-up with Mr. Mendez to get the fact sheets out to everyone.</p>		
5.	<p><u>Set Date and Agenda for Next Meeting</u></p> <p>Ms. McIntosh discussed a proposal to change the meetings to twice a year, in January and July, instead of the current quarterly schedule. She put together and discussed a list of questions (see attached) to which DESC and KMEP have agreed. She would like this item placed on the agenda and voted on at the next meeting. Lt Col Wilson reaffirmed DESC's commitment to the RAB, saying this was not an attempt to disband the RAB. He encouraged everyone to keep the questions coming and said he could be reached easily via e-mail. Eric Conard agreed, saying that KMEP also did not want the group disbanded. Mr. Babel said he would still like to see the sampling results on a quarterly basis. Ms. Quinn agreed, saying that the Sentry Well monitoring can be shared on an informal basis.</p> <p>The next quarterly RAB meeting will be held <b>Thursday, January 31, 2002, at 6:30 p.m.</b> in the Norwalk Arts &amp; Sports Complex.</p>	All	1/31/02

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6.	<u>Public Comment Period</u> Mr. Hoskins moved to adjourn the meeting. The motion was seconded and passed without opposition. Ms. McIntosh adjourned the meeting at 8:24 p.m.	N/A	