

FINAL

Meeting Minutes

Meeting Subject: Norwalk Tank Farm Restoration Advisory Board (RAB) Quarterly Meeting	Meeting Date: <u>27 July 2000</u> Meeting Time: 6:30 p.m. Meeting Place: Norwalk Arts & Sports Complex
RAB, PROJECT TEAM, AND OTHER ATTENDEES	
<u>RAB Community Members</u> D. Caughey E. Garcia B. Hoskins M. McIntosh (Co-Chair) W. Miller W. Sterner M. Young	<u>Other Members</u> J. Anderson (City of Norwalk) A. Townsend (RWQCB) Lt Col Wilson (DESC-LA) DESC-LA.....Defense Energy Support Center- Los Angeles GTI.....Groundwater Technology, Inc.; a wholly- owned subsidiary of IT Corporation KMEPKinder Morgan Energy Partners OCCSOffsite Chemicals Cleanup Subcommittee RBCA.....Risk-Based Corrective Action RWQCBRegional Water Quality Control Board URS.....URS Corporation WRDWater Replenishment District of Southern California
<u>Other Attendees</u> S. Chu (CB Richard Ellis) T. Devoy (City of Norwalk) M. Hanak (KMEP) M. Klug (HQ AFRC/CEVX) E. Lehto (March ARB) B. Ruscitto (GTI) J. Trani (DESC-LA) T. Whyte (URS) E. Williford (HQ AFRC/CEVX) C. Yamane (Geomatrix)	
<u>Absentees</u> R. Babel (City of Cerritos) S. Kilkenny (KMEP) J. Leserman (WRD) J. Rifilato	
<u>Not Attending</u> Dr. Duran (OCCS) Dr. Landolph (OCCS)	
<u>BACKGROUND</u> 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> Jill Jefferson, KMEP, Meeting Chair</p> <p>Jill Jefferson called the meeting to order at 6:40 p.m. and had the attendees introduce themselves. She announced Scott Kilkenny could not attend the meeting because he was called away to a job in Houston.</p>	N/A	
2.	<p><u>RBCA Update</u> Jill Jefferson, KMEP</p> <p>Ms. Jefferson said that KMEP has received comments on the Risk-Based Corrective Action (RBCA) report from Ana Townsend of the Regional Water Quality Control Board (RWQCB). The RWQCB has approved the database to use in the off-site RBCA. KMEP received an approval letter about two and a half weeks ago, so they were able to move ahead. Ann Holbrow is working on the response to comments and is due to have them completed by the end of August. Ms. Jefferson proposed to have an Offsite Chemicals Cleanup Subcommittee (OCCS) meeting then. When the OCCS agrees with the responses, KMEP will resubmit the document to the RWQCB and to the Office of Environmental Health Hazard Assessment (OEHHA).</p>	OCCS	August 2000
3. & 4.	<p><u>Semi- Annual Monitoring Event and KMEP Update</u> Jill Jefferson, KMEP</p> <p>Remediation Update. Ms. Jefferson said that KMEP's remediation systems have operated for approximately 26,700 hours since startup. They have 16 onsite and 7 offsite vapor extraction wells online in the south-central plume area and two vapor extraction wells plus air sparge trenches online in the 24-inch valve area. Approximately 316,900 gallons equivalent of fuel has been removed from the soil and destroyed by thermal oxidation. Approximately 10,200 gallons were removed since the April RAB meeting.</p> <p>There are five product/extraction wells online in the south-central plume area. Pumps in wells GMW-O-21 and MW-O-2 are still disconnected due to the development of the Chang property. The two wells cannot be reconnected until completion of the development. KMEP has not been given a schedule for its completion. There is one product/groundwater well online in the 24-inch valve area (GMW-O-15). Eight West Side Barrier wells are in operation (not including the DESC wells).</p>		

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	<p>Approximately 18 million gallons of water have been pumped and treated by the south-central and 24-inch valve systems, including 0.4 million gallons since the April RAB meeting. Approximately 3.4 million gallons of water have been pumped and treated by the enhanced West Side Barrier treatment system since startup, including 0.6 million gallons since the April RAB meeting. This equals approximately 21.4 million gallons of water pumped by all systems, including 1.0 million gallons since the April RAB meeting. Approximately 8,700 gallons of liquid fuel has been recovered, including 20 gallons since the April RAB meeting. The free product recovery graph shows that recovery rates have leveled off in the past year, so KMEP will evaluate it.</p> <p>Sentry Well Monitoring Event. For the February 2000 Sentry Well monitoring event, 11 sentry wells plus the 5 Exposition Aquifer wells (EXP-1 through EXP-5) were sampled. Chemical concentrations in the upper aquifer wells were similar to previous events with the exception of well MW-19 (MID), which showed an increase. This well is near the West Side Barrier System, so this was to be expected. No chemicals were detected in the EXP wells.</p> <p>Semi-Annual Monitoring Event. During the May 2000 Semi-Annual Monitoring and Sampling event, water levels were measured in 151 wells, and groundwater was sampled from 102 of those wells. There were 28 wells with free product and 123 wells without free product. The three main plumes are similar in location, size, and shape as previous monitoring events. No free product was found in any wells in the 24-inch valve area.</p> <p>The groundwater gradient in the upper aquifer is approximately 0.001 to the west-northwest (there was a typo on the handout). The west side groundwater depression appears shifted because four days prior to the event, KMEP's wells failed and shut down. Ms. Jefferson said that sometimes sand or silt can cause the pumps to freeze up, and due to their design, there is no chance for an accidental release. The product stays in the transfer pipelines. With this exception, there continues to be drawdown from both KMEP's and DESC's West Side Barrier wells.</p> <p>Total Petroleum Hydrocarbons (TPH) were detected in well WCW-8 that greatly affected the TPH plume contour to</p>		

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	<p>make it look like a huge increase. TPH has been detected in that well in the past, so it is not unusual to see fluctuations. TPH concentrations increased somewhat in the northeast area, which could be related to free product increase in the military area. Bob Ruscitto of GTI said this might have been due to rain events. TPH concentrations in the 24-inch valve area fluctuated in the outer wells. Mary Jane McIntosh asked if the well WCW-9, which had been non-detect, could have been influenced by a former gas station site at the corner of Norwalk Boulevard and Rosecrans Avenue. Ms. Jefferson said she would not expect this to be an influence since it is over one mile away. She said if the plume was moving, we would see an upward trend, which we have not.</p> <p>There was a similar increase in Benzene concentrations in the northeast area for similar reasons as the TPH increase. There was also an increase in the 24-inch valve area. However, the plume sizes did not get bigger. In the southwest area, there were some decreases, which is typical of the fluctuations in that area. The remainder of the plume was similar to previous events.</p> <p>1,2-dichloroethane (1,2-DCA) was detected for the first time in well WCW-13, which influenced the contour to the northwest. There have been sporadic detections of other chemicals in that well in previous events. 1,2-DCA was also detected in wells GMW-0-9 and GWM-0-2 that also influenced the contours and have had sporadic detections in the past. There is not an upward trend in concentrations that would indicate plume movement. It shows that the plume is stable. The concentrations in the high mass area remained generally stable. The groundwater contours show capture in the high mass area. Jill Anderson said that is was a real concern to see detections past Grayland Avenue. Ms. McIntosh requested that the offsite WCW wells be resampled in August and the RAB sent notification of the results. She would like them sampled once every three months until a decrease or non-detect occurs.</p> <p>Methyl tertiary butyl ether (MTBE) concentrations increased in the south-central area plume because of detection or increased concentration in wells WCW-8, WCW-6, and WCW-3. It was the first time MTBE was detected in well WCW-8. Ms. McIntosh said she was concerned about the steady increase of TPH, 1,2-DCA, and MTBE in that area. She would like it watched carefully, and if the new plans do not work out, then she would like to see pressure testing</p>	KMEP	8/31/00

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	<p>performed. Ms. Jefferson said they will add an extraction point in the area by either installing a new well or convert an existing well, perform pump testing, and evaluate what to do to bring down concentrations in the area. It will take 6 to 8 weeks, and they will need to speak with officials of Holifield Park. There was a decrease downgradient in the 24-inch valve area. The MTBE mass stayed generally the same.</p> <p>No chemicals were detected in the EXP wells during the event in February or in May. No chemicals have been detected since January 2000, so KMEP will drop back to quarterly monitoring of the EXP wells.</p> <p>KMEP will install a new EXP well this year at the advice of the City's consultant. KMEP will discuss with the consultant where to place the well. Ms. Anderson asked KMEP to put their suggestions in writing, and she will forward it to the consultant and set up a meeting.</p> <p>The phytoremediation trees are green and being visited monthly by an arborist. KMEP plans to install a monitoring well in the area. They are monitoring the trees' height and circumference and taking leaf samples for nutrient analyses. KMEP also plans to evaluate their treatment systems to determine how to remove more free product, since recovery rates have leveled. Ms. McIntosh asked that KMEP coordinate and work together with the military so as not to interfere or cause problems with the military's treatment system. Ms. Jefferson said this optimization is an ongoing process. They will give an update at the next RAB meeting. They should have plans finalized by the end of the year and implemented sometime in early 2001.</p>	<p style="text-align: center;">KMEP & City</p> <p style="text-align: center;">KMEP</p> <p style="text-align: center;">KMEP</p>	<p style="text-align: center;">8/31/00</p> <p style="text-align: center;">Ongoing</p> <p style="text-align: center;">10/26/00</p>
5.	<p><u>DESC-LA Update</u> Joe Trani, DESC-LA</p> <p>Central Plume Remediation System Update. Joe Trani said that since April 1996, approximately 118,400 gallons of hydrocarbons have been recovered and destroyed, including 54,502 gallons of free product and 63,144 from soil vapor extraction. Approximately 24.8 million gallons of water have been pumped and treated. Approximately 844 gallons of dissolved phase have been recovered.</p> <p>The system is recovering approximately 1,000 gallons per months, but it is starting to level off. Hopefully the air sparging will help increase recovery. In May 2000, the</p>		

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	<p>plume seemed to head east, which probably was due to rain events.</p> <p>There is great news. Free product was detected in only one well in the smaller central free product plume. It has really decreased, and they will continue air sparging to get the last little bit. They will also air sparge in the east so as not to disturb the product.</p> <p>Ms. McIntosh requested that Theresa Devoy be added to the list to receive the Semi-Annual Monitoring Reports.</p> <p>Mr. Hoskins and Ms. McIntosh asked about bioremediation. Mr. Trani said that Neil Irish of GTI has calculated that approximately 90,000 gallons have been biodegraded. Mr. Ruscitto said they may have an in-depth study. He said they do know it is occurring, and the numbers they have given are conservative. Ms. Jefferson said that the organisms are everywhere and well established at Norwalk. They can be enhanced with oxygen or with nutrient enhancement.</p>	KMEP & DESC	Ongoing
	<p><u>KMEP NPDES Permit</u> Jill Jefferson, KMEP</p> <p>Ms. Jefferson said that KMEP has been having problems with their National Pollutant Discharge Elimination System (NPDES) permit due to elevated levels of the naturally occurring chemicals TDS, sulfate, and chloride in the effluent from their remediation treatment systems. They have exceeded their limit in their effluent. The main concern is chloride. The RWQCB is aware of the problem, but since it is naturally occurring, it was not an issue up to now.</p> <p>KMEP recently applied for a new NPDES permit with lower effluent limits for the three chemicals. However, a new law was passed prohibiting permits to be renewed with less stringent limits. In addition, any exceeding of permit limits will be assessed with mandatory fines. This could get very expensive, since KMEP has exceeded the limit several times. KMEP will either have to shut the treatment system down or get assessed with fines for awhile. They will appeal the RWQCB ruling. KMEP will give an update at the next meeting.</p>	KMEP	10/26/00
	<p><u>Tank Farm Closure Update</u> Eric Lehto, March ARB</p> <p>Ms. McIntosh said that the RAB only considers matters related to the Tank Farm cleanup. She has asked for a Tank</p>	N/A	

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	<p>Farm closure update because it relates directly to the cleanup in the matter of removing the tanks to enhance remediation.</p> <p>Eric Lehto said that March Air Reserve Base carries the real property records for the Norwalk Tank Farm. Since the Defense Logistics Agency (DLA) operated the Tank Farm, the Air Force did not have much involvement in the site. Since there are a lot of rules for the closure process and for excess property, it gets very complicated, with involvement up to the Pentagon level. Mr. Lehto introduced Mike Klug from Headquarters Air Force Reserve Command (HQ AFRC) at Robins Air Force Base in Georgia.</p> <p>Mr. Klug said their office has been involved since they received a call from Congresswoman Napolitano about a year ago about what they were going to do with the property. Once DLA (the tenant) moves out, then the property goes into caretaker status until the environmental remediation is complete. Then AFRC transfers the property to the Air Force Real Estate Agency and it goes through a screening process to see if any Air Force agencies needs, then to DLA, etc. There is a whole hierarchy of screening processes that the property has to go through, then finally down to sale to the public. It is a one to 1.5 year process.</p> <p>Congresswoman Napolitano wants the tanks demolished as soon as possible. However, the AFRC is bound not to demolish the tanks until the screening process takes place. Absent legislative direction, the Air Force is making no plans to demolish the tanks. Congresswoman Napolitano is working on legislation for that purpose. Ms. McIntosh said that Paul Rogers of DESC told her that the tanks need to be removed for remediation. However, Mr. Klug said that the information they have received from DESC and Mr. Rogers is that the tanks do not need to be removed for remediation.</p>		
6.	<p><u>Set Date and Agenda for Next Meeting</u></p> <p>Mr. Garcia moved to accept the minutes of the April 27, 2000 meeting without changes. Lt Col Wilson seconded. The motion passed without opposition.</p> <p>The next quarterly RAB meeting will be held Thursday, October 26, 2000, at 6:30 p.m. in the Norwalk Arts & Sports Complex. The agenda is to include RBCA update, remediation updates, sentry well update (including the WCW</p>	All	10/26/00

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	<p>wells), and tank removal update.</p> <p>Ms. Anderson said she would help facilitate holding the OCCS meeting in August.</p>	KMEP & City	August 2000
7.	<p><u>Public Comment Period</u></p> <p>Ms. McIntosh said she was looking into the abandoned wells surrounding the property that Wanda Sterner had brought to the RAB's attention at the previous meeting. Ms. McIntosh is finding the locations of the wells for the possibility to convert one for an off-site treatment system.</p> <p>Ms. Jefferson addressed some comments from last meeting regarding KMEP's facilities. After the site closure, KMEP will remove all its aboveground facilities. This will decrease the likelihood of a release dramatically, because most of the flanges and valves will be removed. In addition, routine operations such as visual inspections, pigging, pressure testing, leak detection systems, and volume and temperature monitoring will stay in effect.</p> <p>Ms. Jefferson also said she will look into their three pipelines to determine which are interstate and which are intrastate pipelines and report back at the next meeting.</p> <p>Ms. McIntosh moved to adjourn the meeting. The motion was seconded by Lt Col Wilson and passed without opposition. Ms. Jefferson adjourned the meeting at 9:00 p.m.</p>	KMEP	10/26/00