

FINAL

Meeting Minutes

Meeting Subject: Norwalk Tank Farm Restoration Advisory Board (RAB) Special Meeting	Meeting Date: <u>27 February 2003</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	<u>Other Members</u> T. Devoy (City of Norwalk) D. Kellam (City of Cerritos) (attending for J. Holdren) J. Hu (RWQCB) (attending for A. Townsend) T. Johnson (WRD) (attending for H. Ng) R. Tweidt (KMEP) (Co-Chair)
<u>Other Attendees</u> D. Alsawaf (Shaw E & I Group) G. Coppola (Geomatrix) P. Hernandez (US Rep. Napolitano) J. Trani (DESC-AMW) T. Whyte (URS) T. Winkler (Citizen)	DESC-AMW .. Defense Energy Support Center Americas West GSA..... General Services Administration 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
<u>Absentees</u> J. Rifilato Lt Col Wilson (DESC-AMW) (Co-Chair)	
<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 former 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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1. Introduction Rob Tweidt, KMEP Co-Chair, Meeting Chair

Mary Jane McIntosh called the meeting to order at 6:40 p.m. Ms. McIntosh introduced some of the meeting attendees. Doug Kellam from the City of Cerritos was attending for Joe Holdren. Ted Johnson of the Water Replenishment District (WRD) was attending for Hoover Ng.

Review of Minutes. Ms. McIntosh asked for comments on the minutes of the January 23, 2003 meeting. Seeing none, she asked for a motion to approve the minutes. Wanda Sterner made a motion to approve the minutes. Bill Miller seconded the motion. The motion passed without opposition.

Quarterly Meeting Proposal. Ms. McIntosh discussed reasons for proposing to return to quarterly meetings, saying communications have not been great since the RAB went to semiannual meetings. Ms. McIntosh made a motion to return to quarterly meetings. Mr. Tweidt seconded the motion. The motion passed without opposition.

Community Co-Chair Nominations. Ms. McIntosh announced that the Community Co-Chair election would be held at the next RAB meeting. She distributed nomination forms to the RAB community members.

2. KMEP Update Rob Tweidt, KMEP

Tracer Test Results. Mr. Tweidt gave an overview of the SFPP, L.P. (SFPP) pipelines. SFPP has three pipelines that enter in the southwest corner the Tank Farm. The block valves were exposed in this area, and the lines were inoculated with Tracer A in January 2003. Probes were inserted along the lines. Samples were taken a week later and sent to a laboratory for analysis. The laboratory requested additional samples near an intermediate block valve on the 24-inch line, which were collected on February 6, 2003. A positive hit for a release was discovered, and KMEP implemented emergency response activities the same day. A sniffer tube used to detect leaks is located at the block valve and is monitored on a quarterly basis. It was last checked in December 2002 and was negative. The block valve was exposed and by 2:30 p.m. it was confirmed that a leak had occurred. The line was shut down by 3:00 p.m.. The leak originated from a ¼-inch threaded hole where a steel plug should have been installed. KMEP called Geomatrix to look at other wells in the area. By 8:30 p.m. the corrections had been made and the leak fixed. The soil surrounding the block valve was saturated, but not stained, showing it may not have been a long-term leak. They removed 30 cubic yards of soil, digging down 15 feet. However, the full extent of contamination could not be determined, because they were unable to dig further due to the presence of other nearby pipelines. Ms. McIntosh asked if this was similar to the leak discovered in 1994. Mr. Tweidt said they would not have enough data to determine that until they complete a full boring program. KMEP is working per State guidelines and protocol to plan and clean up the area. Bill Miller asked if the block valve is similar to a gate valve. Mr. Tweidt said yes, block valves are used to isolate sections of pipeline. There are three or four of these on each pipeline within the Norwalk Tank Farm property. The pipelines are all multi-product, carrying gas, diesel, and jet fuel. Analysis showed the contamination consisted of BTEX (benzene, toluene, ethylbenzene, and xylenes), TPH (total petroleum hydrocarbons) in the diesel range, and MTBE (methyl tertiary butyl ether). Bob Hoskins asked how the leaked happened. Mr. Tweidt said that a hard plastic plug had been in the ¼-inch threaded hole (where the steel plug should have been) that had deteriorated. The other block valves were inspected and found to be in good shape and had steel plugs instead of plastic. He said the results show that the Tracer test works. The integrity of the rest of the pipelines is intact.

Mr. Hoskins asked why weren't the block valves encased in concrete vaults. Mr. Tweidt said he did not know, but KMEP is phasing them in at some locations. Jeffrey Hu said that vaults, a form of secondary containment, were not standard in the industry when the facility was built. Eric Conard said KMEP is also

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employing other mechanisms for leak detection. Ms. McIntosh said she wants to explore the issue of concrete vaults further. She is very concerned since this was the second 24" line block valve leak. Mr. Tweidt said the issue of installing concrete vaults is being brought up with KMEP senior management.

Mr. Tweidt said the contaminated soil was placed in roll-off bins and will be transported to a permitted disposal facility for recycling. The excavation was filled with clean soil. He also described the sniffer tube. It is a four-inch diameter pipe that extends more than four-feet below ground. It is slotted and allows vapors to accumulate if there were a leak, much in the same way a soil vapor extraction well works. Once a quarter it is sniffed with a photo-ionization detector (PID). Ms. McIntosh asked if the sniffer could detect small leaks quickly and if there are any problems detecting vapors since the lines are multi-product. Mr. Tweidt said it was speculation. Bigger leaks will be found faster. Ms. McIntosh asked if they could date the contamination. Mr. Tweidt said they could run a spectrum analysis to see if the release was weathered. This could only determine the difference in a large range of time, such as between 1 and 10 years, but it could not determine short ranges, such as between one week and one year.

Mr. Tweidt showed graphs showing the history of monitoring results for nearby wells. The graphs did not show any trends. No free product was found in nearby wells after the leak was discovered. The wells will be sampled again in early March 2003. Mr. Tweidt said he would e-mail the list of wells to be sampled to Ms. McIntosh, who will forward it to the rest of the RAB members. Mr. Tweidt said KMEP is in preliminary discussions with the Regional Water Quality Control Board (RWQCB) for plans for the release area, including new soil borings to determine the extent of the release. Ms. Sterner asked if the release contributed to the increase in TPH near her property south of the Truck Rack Area. Mr. Tweidt said he could not speculate on that.

Southeast Area 24-inch Block Valve Update. Mr. Tweidt said a release in a 24-inch block valve in the southeast corner of the facility was discovered in 1994. KMEP is conducting additional assessment of the MTBE plume in this area that is moving towards the northwest. They prepared a work plan for the addition of two horizontal groundwater extraction wells and three sets of piezometers. They are trying to get a handle on the extent of the release. Theresa Devoy said that it was not reassuring that they are still assessing the extent. Ms. McIntosh said that this is why she wants to make sure we get a handle on the new release. Perla Hernandez asked if the leak could be compared to leaks such as at a gas station, and is it a problem being near residences. Mr. Tweidt said that there are various ways leaks occur and spread. It depends on many factors, such as the soil type and depth to groundwater. Each one is different. Gene Garcia said that the Offsite Chemicals Cleanup Subcommittee (OCCS) had two toxicologists that agreed that the contamination underground is not deep enough to affect drinking water wells, and not shallow enough to cause inhalation problems, so he does not want anyone to think that there is an imminent threat.

Ted Johnson asked why groundwater flow in the area was to the northwest. He said groundwater flow in the region is usually to the south. Daoud Alsawaf said that he works at several sites in the area. Groundwater flow is to the northeast at a site in La Mirada and at a site at Alondra and Pioneer. Groundwater flow is to the north at a gas station site on Norwalk Boulevard. It depends on the geology and the water level and can change with time. The gradient can be changed with pumping. It is easy to change the gradient in shallow aquifer beneath the Tank Farm. In the southeast area, the soil is sandy and has high permeability. During the past two storms, the infiltration rate was very high. The water was taking the contamination deeper and deeper.

RAB E-mail. Mr. Tweidt discussed an e-mail Ms. McIntosh sent to him yesterday outlining her concerns regarding the new release. Ms. McIntosh distributed copies at the meeting. Regarding the equipment to be installed to cleanup the new release, Mr. Tweidt said they have received verbal approval on a work plan from RWQCB. Regarding reviewing the MTBE contamination, Mr. Tweidt said they have a two pronged approach: enhancing the remediation systems and closing data gaps through additional site investigation

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<p>activities. Ms. McIntosh asked if they are keeping the Tank Farm as a whole in mind, so KMEP and DESC are not working against each other. Mr. Tweidt said that KMEP is working with DESC so that their remediation systems will augment each other. Ms. McIntosh said the cleanup estimates of up to 20 years as stated in the Risk-Based Corrective Action (RBCA) plan are too long. She also said the RBCA plan should be revisited, since it was submitted to RQWQB one to two years ago. Mr. Hu said that the RWQCB does not have toxicologists, so they have had to subcontract review of the plan to the Office of Environmental Health Hazard Assessment (OEHHA). Ms. McIntosh would like to see the comments on the RBCA plan when received from RWQCB. She said she would like to see if there could be something added to the West Side Barrier Wells to speed the cleanup. Regarding the removal of excess KMEP infrastructure, Ms. McIntosh said KMEP originally promised it would be removed within 90 days of closure of the Tank Farm; now it has been two years and the removal is still not complete. This issue should be on the table when KMEP is discussing their budgets.</p>	
<p>3. <u>Set Date and Agenda for Next Meeting</u></p> <p>The next RAB meeting will be held Thursday, April 24, 2003, at 6:30 p.m. in the Norwalk Arts & Sports Complex. The agenda is to include: Groundwater monitoring results; new release work plan progress; remediation enhancements; Community Co-Chair election; Calscience chromatogram presentation; and phytoremediation update.</p>	
<p>4. <u>Public Comment Period</u></p> <p>Dr. Alsawaf distributed maps showing history of the plume sizes. Mr. Hoskins asked about an update on the phytoremediation. Greg Coppola said he talked to a phytoremediation specialist. They will look at sap flow and conduct yearly monitoring. Tracy Winkler asked about chain of custody records and said that those using the forms should print their names and date it, since the signatures are often difficult to read. Mr. Conard said they will bring it up with their consultants.</p> <p>Mr. Hoskins moved to adjourn the meeting. Ms. McIntosh seconded the motion. The motion passed without opposition. Mr. Tweidt adjourned the meeting at 8:15 p.m.</p>	

ACTION ITEMS		
Item	Responsible Party	Due Date
E-mail list of wells to be sampled	R. Tweidt	March 2003
Next RAB meeting	All	April 24, 2003