

FINAL

Meeting Minutes

Meeting Subject: Norwalk Tank Farm Restoration Advisory Board (RAB) Semiannual Meeting	Meeting Date: <u>24 April 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> E. Garcia B. Hoskins M. McIntosh (Co-Chair) W. Miller W. Sterner	<u>Other Members</u> T. Devoy (City of Norwalk) J. Holdren (City of Cerritos) A. Townsend (RWQCB) R. Tweidt (KMEP) (Co-Chair)
<u>Other Attendees</u> S. Chou (Geomatrix) E. Conard (KMEP) G. Coppola (KMEP) P. Hernandez (US Rep. Napolitano) J. Lance (Weston) N. Raouf (<i>Press-Telegram</i>) S. Seipel (Shaw E & I Group) J. Trani (DESC) T. Whyte (URS) F. Wright (DESC)	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> D. Caughey H. Ng (WRD) 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. in January, April, July, and October unless otherwise voted on by the RAB community membership.	

FINAL

MEETING MINUTES

24 April 2003

1. Introduction Mary Jane McIntosh, Community Co-Chair, Meeting Chair

Mary Jane McIntosh called the meeting to order at 6:40 p.m. She announced that Ana Townsend of the Regional Water Quality Control Board (RWQCB) is back from maternity leave. Greg Coppola has left Geomatrix and joined Kinder Morgan in the Engineering Department. Shioh-Whei Chou is taking Mr. Coppola's place as the Geomatrix project manager. Frank Wright, Deputy Commander of DESC-AMW, was in attendance, as was Jeff Lance of Weston, a phytoremediation expert working with DESC.

Review of Minutes. Ms. McIntosh asked for comments on the minutes of the February 23, 2003 meeting. Bill Miller made a motion to approve the minutes without changes. Ms. Townsend seconded. The motion passed without opposition.

Community Co-Chair Election. Tim Whyte announced that only one nomination for Community Co-Chair was received. Ms. McIntosh's nomination form was distributed to the community members prior to the meeting. Mr. Whyte asked if there were anyone else interested in the position. Seeing none, Mr. Miller made a motion to accept Ms. McIntosh's nomination by a hand vote. Wanda Sterner seconded. The motion passed without opposition of the community RAB members, and Ms. McIntosh was reelected to serve another two-year term as Community Co-Chair.

2. RBCA Update Shioh-Whei Chou, Geomatrix Consultants, Inc.

Rob Tweidt introduced Ms. Chou. Ms. Chou said they are at the same place with the Risk-Based Corrective Action (RBCA) report. They are waiting on comments from RWQCB. Ms. Townsend said now that she has returned, she will get to it. She did not think the Office of Health Hazard Assessment (OEHHA) would have any further comments, but she would check on it.

3. KMEP Update Shioh-Whei Chou, Geomatrix Consultants, Inc.

Remediation Operations Update. Ms. Chou showed a map of the current remediation systems. She said the soil vapor extraction system has 16 onsite and 7 offsite wells in the South-Central Plume area and 2 wells in the southeast 24-Inch Valve area. The system removed and destroyed 2,140 gallons equivalent of fuel since the January 2003 RAB meeting and 390,590 gallons equivalent of fuel since September 1995. The system was down from mid-January to February 2003 during the tracer testing. Ms. Chou also showed a graph of cumulative fuel removed by vapor extraction.

Ms. Chou said the groundwater/product extraction system has eight groundwater wells in the West-Side Barrier area, six groundwater/product wells in the South-Central Plume area and five groundwater/product wells in the southeast 24-Inch Valve area. Mr. Tweidt said this includes the two new wells in the southeast area. Piezometers were also installed. Construction of the wells started in early April, and they went online on April 18, 2003. Since the January 2003 RAB meeting, a total of 121,100 gallons of groundwater have been extracted from the South-Central Plume area, 43,560 gallons from the southeast 24-Inch Valve area, and approximately 1.1 million gallons from the West-Side Barrier area. In addition, approximately 10 gallons of free product was removed by hand-bailing, mostly in the South-Central area. Total groundwater removed since September 1995 includes 24.3 million gallons from the South-Central and the 24-Inch Valve areas and 10 million gallons from the West-Side Barrier area, for a total of 34.3 million gallons. Gene Garcia asked why the totals from 1995 are combined for the South-Central and the 24-Inch Valve areas. Mr. Coppola said it was because they did not originally have separate flow meters for each. Mr. Coppola said they would calculate the numbers and provide separate results at the next meeting. Ms. Chou said 8,745 gallons of free product have been removed since September 1995. Ms. Chou showed a graph of the operations summary

FINAL

MEETING MINUTES

24 April 2003

statistics. Mr. Tweidt point out how free product recovery reached a plateau in about February 2000.

Sentry Event Update. Ms. Chou said the Sentry monitoring event was performed during January 28 and 29, 2003. They gauged 22 wells and sampled 21. Well GMW-36 was not sampled due to the presence of free product. Concentrations of MTBE (methyl tertiary butyl ether) decreased in the southeastern part of the site. Mr. Garcia asked by how much did it decrease. Ms. Chou said it was down in all wells, and in one well, concentrations went from 200 mg/kg to about 6.8 mg/kg. KMEP will make actual calculations of the percentage of decrease and fax it to Mr. Garcia. Ms. Chou said that concentrations increased in well GMW-O-14 but remain within historical limits for that well. They resampled wells that had suspect data in October 2002. Wells GMW-O-2, GMW-O-3, GMW-O-5, PW-2, and PW-3 were non-detect for TPH (total petroleum hydrocarbons) and well GMW-O-8 was non-detect for 1,2-DCA (1,2-dichloroethane) and MTBE in January, showing the October results may have been anomalous. These wells will be resampled during the next monitoring event.

Intermediate 24-Inch Block Valve Area Update. Ms. Chou said that KMEP gauged and sampled the monitoring wells in the vicinity of the Intermediate 24-Inch Block Valve release in March 2003. No free product was detected, and chemical concentrations were within historical ranges (within the past two years). A work plan for site assessment was submitted to RWQCB on March 31, 2003. It was approved on April 4, 2003. Site assessment activities were conducted on April 10 and 11, 2003. Six borings were drilled and one monitoring well was installed. A report of the activities is due to RWQCB on May 30, 2003. Results will be discussed at the next RAB meeting. Mr. Garcia asked if they found the extent of the leak. Mr. Tweidt said they were still waiting on soil and groundwater results, but so far the leak looks localized.

Groundwater Remediation System Expansion Update. A work plan for Remediation System Expansion in the southeast 24- Inch Block Valve area was submitted to RWQCB on January 23, 2003. An addendum was submitted on February 20, and the work plan was approved on March 6. The activities were conducted during March 31 through April 18, 2003. Three new piezometer clusters were installed. Two groundwater extraction wells were installed to extract MTBE. These wells were connected to the existing groundwater remediation system. Total fluids pumps were installed into wells GMW-SF-9 and GMW-SF-10 at a depth of 46 feet. A total fluids pump was also installed into existing well GMW-36 to address free product. The new wells and piezometers will be sampled in May 2003. A well completion report was submitted to RWQCB on April 21, 2003.

Phytoremediation Update. Ms. Chou described the phytoremediation. There were 80 poplar trees planted in the southwestern area of the Tank Farm in July 1999. There are 56 trees in the western plot and 24 trees in the eastern plot. An automated irrigation system was installed and ran until last year, when the trees were estimated to have become self-sufficient. The monitoring wells in the vicinity will evaluate hydraulic capture and enhanced biodegradation. KMEP has a phytoremediation expert who will monitor groundwater usage by the trees based on age, canopy cover, and evapotranspiration rate. Mr. Hoskins asked if they had an arborist monitoring the trees, or if any trees exhibited ill health. Mr. Coppola said they had an arborist until the beginning of last year, and the trees had no problems up to then. They stressed the trees during the summer by not watering them, which should help the roots reach the groundwater. Joe Trani asked if they were sure if the trees had reached groundwater. Mr. Coppola said they were not sure, and Ms. Chou said they could estimate root depth by tree height. Mr. Trani said the roots of his trees in San Pedro stopped at a layer of clay and have not reached the groundwater. Ms. Chou next showed a figure representing the phytoremediation process. She also showed a map of the tree plots.

Other issues. Mr. Tweidt discussed the most recent release at the Intermediate 24-Inch Block Valve. He said they are looking at how to design a remediation system for it. It will depend in which zone the contamination lies, air flow rates, and the pumping rates. The current remediation system has extra capacity so it may be able to handle it. Ms. McIntosh said she wants KMEP to be aggressive in treating this release.

FINAL

MEETING MINUTES

24 April 2003

She also said she is concerned about the lack of concrete vaults around KMED's block valves. Mr. Tweidt said the concrete vault issue is being discussed at KMED upper management levels.

Mr. Garcia asked about the Change property. Mr. Tweidt said they sent a letter to the Cheshire Homeowners Association requesting access. Mr. Chang had a conditional use permit on the property that allowed KMED access agreement, but Mr. Chang sold the property. Mr. Coppola said they had many contacts with the Association, but now they are not being responsive. They did access the property once, but they were not able to sample the wells during the most recent semiannual monitoring event. Mr. Tweidt said he would contact Theresa Devoy at the City of Norwalk for help. Ms. McIntosh also suggested checking at the county recorder's office or with a realtor for more information.

4. DESC-LA Update Scott Seipel, Shaw E & I Group

Central Plume Remediation System Update. Scott Seipel said that through the first quarter of 2003, the Central Plume remediation system has recycled and destroyed approximately 140,533 gallons of fuel, including 55,534 gallons through free product recovery, 83,626 gallons soil vapor extraction, and 1,373 gallons of dissolved phase hydrocarbons recovered. In addition, an estimated 112,905 gallons have been removed through bioremediation, for a total of approximately 253,000 gallons removed. The total recovered during the first quarter was about 2,000 gallons, which is less than normal. This is due to the system being down for 1.5 months for a major repair of the blower. Approximately 39.6 million gallons of water have been treated and discharged offsite.

Other issues. Mr. Seipel said the quarterly sampling results have been sent to the RWQCB for review. They observed an increase in cleanup of the eastern field of the Tank Farm. More information will be in the report to follow. They also went to sample free product in the Truck Rack area, but the free product was only a sheen or non-existent. The previously observed free product in the area may have been captured by KMED remediation or it may have been washed out of the wells due to the recent heavy rains and it needs to resettle. They are monitoring it weekly.

Ms. Townsend asked about an update on the Truck Rack area remediation. Mr. Seipel said they are waiting on forensic data. They are looking to concentrate on soil remediation. He also said they are working on scope with DESC to prepare a cost estimate for tank removal. They will compare different technologies and techniques for removal and remediation. The analysis will be difficult since there are so many details, including many different options to receive tank removal bids. The study should be completed in six to nine months.

Ms. Devoy said she met with the City Council on Tuesday to give them an update on the remediation status. The Tank Farm is the largest undeveloped property in the City. The City is looking at industrial or commercial reuses, to help with the economy. Ms. McIntosh said representatives from the General Services Administration (GSA) were also there. Ms. Devoy said the City has been working with GSA, and she said it is a slow process.

Mr. Tweidt said that by the end of the year, MTBE would be phased out of KMED's pipelines to comply with state regulations. Ethanol will replace MTBE, but it will not be run through the pipelines, it will be transported by the use of trucks.

5. Set Date and Agenda for Next Meeting

The next RAB meeting will be held **Thursday, July 31, 2003, at 6:30 p.m.** in the Norwalk Arts & Sports Complex. The agenda is to include: RBCA Update; Remediation Operations Updates; Intermediate 24-Inch Block Valve Area Update; and Semiannual Groundwater Monitoring Event.

FINAL

MEETING MINUTES	24 April 2003
<p>6. <u>Public Comment Period</u></p> <p>Ms. McIntosh said that a new commander comes on board at DESC-AMW on July 2, 2003. The new commander, Air Force Lt. Col. Renito Alexander, will attend the next RAB meeting along with outgoing commander Lt. Col. Edward Wilson. Kola Olowu of DESC will also attend.</p> <p>Mr. Hoskins moved to adjourn the meeting. The motion was seconded and passed without opposition. Ms. McIntosh adjourned the meeting at 7:55 p.m.</p>	

ACTION ITEMS		
Item	Responsible Party	Due Date
Sentry Event MTBE Decrease Calculations	KMEP	May 2003
South-Central and 24-Inch Valve areas groundwater removal calculations	KMEP	July 31, 2003
Next RAB meeting	All	July 31, 2003