

FINAL

Meeting Minutes

Meeting Subject: Norwalk Tank Farm Restoration Advisory Board (RAB) Quarterly Meeting	Meeting Date: <u>28 April 2005</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 T. Winkler	<u>Other Members</u> T. Devoy (City of Norwalk) J. Holdren (City of Cerritos) N. Matsumoto (WRD) A. Townsend (RWQCB) Col Alexander (DESC-AMW) (Co-Chair)
<u>Other Attendees</u> B. Cardenas (Office of G. Napolitano) S. Chou (Geomatrix) A. Figueroa (City of Norwalk) R. Hassan (Parsons) K. Lee (RWQCB) M. Pitta (KMEP) V. Seyde (URS) C. Silver (Parsons)	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>	
<u>Not Attending</u> Dr. Duran (OCCS) Dr. Landolph (OCCS) T. Ryland (KMEP) (Co-Chair)	
<u>BACKGROUND</u> DESC-AMW 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.	

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MEETING MINUTES

28 April 2005

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

Mary Jane McIntosh called the meeting to order at 6:40 p.m. Ms. McIntosh indicated that Terri Ryland (KMEP) is on medical leave and Mike Pitta will represent KMEP during tonight's meeting. Ms. McIntosh asked if there were any new attendees tonight. Kwang Lee, LA RWQCB, introduced himself and Benjamin Cardenas from Congresswoman Napolitano's office introduced himself. Theresa Devoy indicated that she has accepted a promotion in the City Clerk's office and will be replaced by Adriana Figueroa. Col. Alexander indicated that this is her last meeting and Lt. Col. Jon Ramer will replace her. Lt. Col. Ramer is a Fuels Officer with logistics experience. Ms. McIntosh asked if there were any comments on the 27 January meeting minutes. There were no comments and a motion to accept the minutes as written was passed without opposition.

2. HHRA Update/KMEP Update Mike Pitta, KMEP, and Shioh-Whei Chou, Geomatrix Consultants, Inc.

Shioh-Whei Chou provided a PowerPoint presentation that included the following topics: 1) Human Health Risk Assessment (HHRA) Update; 2) Remediation Operations Update; 3) Eastern Area Update; 4) Review of Intermediate Block Valve Area; and 5) Southeastern Plume Update. Since the last RAB meeting, the Soil Vapor Extraction System removed a total of approximately 9,138 gallons of equivalent fuel from soil and destroyed it by thermal oxidation. Approximately 426,030 gallons of fuel have been removed from soil and have been destroyed by thermal oxidation since September 1995.

Groundwater extracted by the groundwater/product extraction system since the January 2005 RAB meeting is as follows:

- South-Central Plume area: 139,800 gallons
- Southeastern 24-inch valve area: 160,200 gallons
- West Side Barrier Area: 1,230,000 gallons

Total groundwater extracted since September 1995:

- South-Central Plume area: 22.4 million gallons
- Southeastern 24-inch valve area: 5.9 million gallons
- West Side Barrier Area: 16.4 million gallons
- Total groundwater extracted: 44.7 million gallons
- 8,745 gallons of free product was removed.

Ms. Chou also indicated that the total fluids recovery system has been effective at reducing the extent and thickness of free product in the south-central area. During her presentation, Ms. Chou indicated that "negligible free product was recovered." Gene Garcia questioned the use of the term "negligible" and asked if the amount of free product could actually be measured. Mr. Pitta indicated that in the collection vessel there is a decrease in the amount of free product and that it is so thin, it cannot be measured. Wanda Sterner indicated that more information is needed regarding this statement. Ms. Chou displayed a slide that indicated that the free product plume has decreased. Mr. Pitta indicated that regarding benzene concentrations in wells GMW 60 and 61, the eastern area pipeline was tested and according to the pipeline test results, there is no ongoing source of release. He also indicated that the 2003 tracer study results along with the pipeline integrity testing indicated that there were no leaks. Mr. Pitta and Ms. Chou indicated that they will resubmit the tracer results and that the last tracer test on the eastern line was June 2004 and the results indicated no

ongoing release. Mr. Garcia asked if the line was properly tested and indicated that the RAB needs to see the data that support the KMEP statement. Mr. Garcia asked if 1,2 -DCA (1,2-dichloroethane) was analyzed, and Ms. Chou indicated that the chemical was not detected.

During Ms. Chou's presentation, Ms. McIntosh provided a handout that displays the monitoring wells with respect to the eastern pipeline. Overall, Ms. McIntosh indicated that there are problems along the eastern boundary and that she believes there is an overall lack of participation and communication by KMEP. Ms. McIntosh referred the audience to her diagram and indicated that wells GMW 60 and 61 are adjacent to a high-use community park and are nearby an elementary school. Ms. McIntosh is concerned with the level of TPHg (total petroleum hydrocarbons as gasoline) and benzene and the fact that the RAB is not sure where the chemicals are coming from. She mentioned that the DESC monitoring results indicated that the source is not jet fuel. GMW 60 and 61 were installed in April 2004 and the results are in the range of 10,000 µg/L and therefore there must be an ongoing source especially because the groundwater is flowing the other way. She requested KMEP to re-test the pipeline again because the January results were high at GMW 60 and 61 and now in April there is a need to know what the source is because the recent KMEP results indicate that the source is not the pipeline. Mr. Garcia then asked if the pipelines were tested using methods that detect leaks.

Mr. Pitta responded and indicated that there is contamination that needs to be dealt with. Mr. Pitta indicated that he will report back to KMEP and relay the RAB's concerns. He indicated that KMEP will look at the results and will report back to the RAB with a plan.

Tracy Winkler asked about the amount of activity at the two valves along the eastern line. Mr. Pitta indicated that the valves stay open and product is moving through. Ms. Winkler then asked about any maintenance activities since June 2004. Mr. Pitta indicated that he was not sure. Ms. Winkler then asked about the number of valves in the Tank Farm, and Mr. Pitta responded that there are four. Ms. Winkler later asked if there were any releases from the block valves. Ms. Chou responded that a tracer test was conducted in February 2003, and a release was identified at the intermediate block valve.

Ana Townsend indicated that the RWQCB sent letters to both parties to address the eastern area. Ms. McIntosh asked about retribution if there is another release. She indicated that KMEP has filed an application for a rate increase with the California Public Utilities Commission (CA PUC). Ms. McIntosh indicated that, as a resident, she plans to write a letter to the judge that is reviewing their application (Judge Long). The purpose of her letter is to file a complaint about KMEP's activities in the area and make the judge aware of what is taking place within the community.

Ms. Winkler asked if the City of Norwalk can get involved. Ms. McIntosh indicated that KMEP has a franchise agreement with the City and that this was discussed with the City Manager. Ms. McIntosh recommended that as residents, letters should be sent to the City of Norwalk and City of Cerritos. Ms. McIntosh indicated that KMEP needs to be proactive and demonstrate better cooperation with the RAB. Mr. Pitta responded that KMEP has participated on this RAB in good faith and that KMEP does not want to be perceived as non-participatory. He also indicated that if KMEP is responsible then KMEP will clean it up. Mr. Garcia indicated that more testing is needed in order to get accurate information.

Forensic Evaluation

In March 2005, KMEP collected groundwater samples from GMW-59, GMW 60, and GMW 61 for forensic evaluation. The sample collected from GMW 60 contained dissolved-phase constituents only. Benzene was detected at a concentration of 6 µg/L and methyl tertiary-butyl ether (MTBE) and isooctane were not detected in GMW-60. The sample collected from GMW61 contained dissolved-phase constituents only. Benzene was detected at a concentration of 240 µg/L and MTBE and isooctane were not detected.

3. DESC - AMW Update Redwan Hassan, Parsons

Regarding the Central Plume Remediation, system performance results for the first quarter of 2005 indicate that 3,494 gallons of total hydrocarbon mass was removed. Of this, 1,307 gallons were recycled and destroyed and 2,187 gallons of hydrocarbons were destroyed by enhanced biodegradation.

Since April 1996, system performance is as follows:

- Approximately 151,268 gallons were recycled and destroyed, and
- 127,239 gallons of hydrocarbons were destroyed due to enhanced biodegradation
- Overall, 42.2 million gallons of water was treated.

In April 2005, the RWQCB issued a soil closure with deed restriction. This is not a No Further Action (NFA), but simply a closure for no more remediation for the 100' X 200' area along with a deed restriction that indicates that future use of the area can only be for some type of industrial use.

GMW 60 and GMW 61

Wells GMW 60 and 61 were installed along the eastern boundary in April 2004. TPH was detected in soil at 10 feet and 30 feet below ground surface (bgs) in GMW 60 and BTEX (benzene, toluene, ethylbenzene, and total xylenes) was detected at 30 feet bgs. A soil step out investigation for GMW 60 was conducted in July 2004, and no contaminants were detected in shallow soils. Benzene concentrations are slightly decreasing in groundwater from GMW 60 and are slightly increasing in groundwater at GMW 61.

Forensics

Conclusions from the forensic sample analysis for GMW 60 and GMW 61 indicate that wells PZ-3 and TF-18 most closely resemble degraded JP-4 fuel, and GMW 60 and GMW 61 are not related to the product in PZ-3 and TF-18 and are likely from gasoline. Conclusions from the free product characterization indicate that the source is JP-4, whereas, conclusions from the dissolved product characterization indicate that the source is volatile fuel such as gasoline.

KMEP indicated that they would like to provide a sample for analysis from one of their wells. Likewise, Parsons asked for the KMEP forensic data. Ms. Chou indicated that her forensics report is just about ready to be submitted. Mr. Hassan indicated that he can share his data after DESC reviews and approves their report.

Ms. McIntosh asked if the contamination in GMW 58 is a by-product of GMW 60 and GMW 61. Mr. Hassan indicated that GMW 60 and GMW 61 are the most upgradient wells and groundwater flow is northwest.

Ms. McIntosh asked Parsons and Geomatrix to submit a letter to RAB that summarizes the recent forensic evaluation.

Weed Abatement

During his presentation, Mr. Hassan provided photos that indicated recent weed abatement efforts. Mr. Hoskins indicated that weeds are drying out and a fire engine was there the other day. Mr. Hassan indicated that the next weed abatement is scheduled for some time in May. Ms. McIntosh indicated that a "No Parking" sign is needed on the gate.

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MEETING MINUTES	28 April 2005
6. <u>Set Date and Agenda for Next Meeting</u>	
The next RAB meeting will be held Thursday, July 28, 2005, at 6:30 p.m. in the Norwalk Arts & Sports Complex. The agenda is to include a HHRA Update from KMEP along with an Eastern Boundary update that includes information and analysis. The agenda should also include a DESC update that includes information and analysis associated with the Eastern boundary.	
Ms. McIntosh adjourned the meeting at 8:45 p.m.	

ACTION ITEMS		
Item	Responsible Party	Due Date
Resubmit all tracer study results.	KMEP	7/28/05
Relay recent GMW 60 and GMW 61 monitoring results to KMEP and report back to the RAB with a plan	KMEP	7/28/05
Submit letter to RAB with forensic evaluation data	Geomatrix and Parsons	Prior to the 7/28/05 mtg
Install "No Parking" sign onto gate.	DESC	Prior to the 7/28/05 mtg.
Next RAB meeting	All	7/28/05