

RAB Minutes

MARINE CORPS AIR STATION EL TORO RESTORATION ADVISORY BOARD MEETING January 26, 2005 - 73rd Meeting MEETING MINUTES

The 73rd Restoration Advisory Board (RAB) meeting for Marine Corps Air Station (MCAS) El Toro was held Wednesday, January 26, 2005 at the Irvine City Hall. The meeting began at 6:40 p.m. These minutes summarize the discussions and presentations from the RAB meeting.

WELCOME, INTRODUCTIONS, AGENDA REVIEW

Mr. Andy Piszkin, BRAC Environmental Coordinator (BEC) for MCAS El Toro and Marine Corps RAB Co-Chair stated that the next RAB meeting is scheduled for Wednesday, March 30, 2005 and will be in the regular meeting room from 6:30-9:00 p.m. Mr. Piszkin asked Ms. Marcia Rudolph, RAB Subcommittee Chair, to lead the Pledge of Allegiance. He then asked for self-introductions and reviewed the agenda for tonight's meeting. The key presentation this evening will cover the State of the Station, the annual status update of environmental activities. There will be plenty of time for questions and answers.

Review and Approval of the December 1, 2004 RAB Meeting Minutes

Mr. Piszkin said the RAB will not be able to approve the December 1, 2004 RAB minutes, and it will be approved at the next meeting. The minutes will be mailed to the RAB members with the next RAB mailer.

Announcements

- Mr. Piszkin said elections will be held this evening and Mr. Bob Coleman, Community Relations, will help with the process.
- He noted the regular meeting handouts with contact information and websites are good resources for the RAB members and new attendants.

RAB Subcommittee Meeting Report, Ms. Marcia Rudolph, RAB Subcommittee Chair

Ms. Rudolph said the RAB Subcommittee meeting that was held at 5:00 p.m. to 6:00 p.m tonight before the RAB meeting in the Irvine City Hall Room L-104. She thanked the regulators from U.S. Environmental Protection Agency and Cal/EPA Department of Toxic Substances Control (DTSC) for attending. The meeting is a good opportunity for community members to further discuss topics concerning MCAS El Toro. She said both the Community Co-Chair and herself bring letters and documents they receive and share them with the Subcommittee meeting attendees. She added that anyone interested is welcome to attend.

Topics discussed tonight were Site 1 documents and the connection with perchlorate between Site 1

and Site 2. There was also a discussion of levels that are an acceptable risk, and the Subcommittee would like to see standards set to residential levels.

The Subcommittee also discussed the Site 2 groundwater remediation, and the possible alternatives of bioremediation or pump and treat. The community is concerned with the alternatives the Navy may consider.

At the RAB last meeting, Ms. Rudolph suggested having a tour on the base once the landfill cap test pad for at Sites 2 and 17 has been installed. She also noted that there were some concerns with project communication between the Navy and the City regarding Navy remediation projects and the Great Park infrastructure development.

And lastly, they discussed the radiological release report issues.

There was an article in the newspaper this morning, regarding the Airport Working Group and the U.S. Department of Justice. She read a portion of the article concerning funding for the MCAS El Toro cleanup. There is concern with the funds from the sale of MCAS El Toro, and that there is no guarantee funds would be available that corresponds with the cleanup timeline developed for the future reuse.

Navy Responses to Subcommittee Comments

- Mr. Piszkin first responded to the funding issue. He said Congress decides the funding requirements and uses of the BRAC account. In regards to the timeline, the Navy has signed agreements with the agencies to have deadlines and these deadlines are legally enforced especially for the CERCLA sites. For Compliance Program sites, there are no set deadlines. If there is a concern with the compliance timelines, he suggested sharing your concerns with the agency representatives available in the room this evening.
- Concerning infrastructure, Mr. Piszkin said all parcels will be sold, even property within the carve-outs. The bidder will purchase a parcel including any carve-out areas, but carve-outs will be leased until the Government can transfer that property. If someone asks if they can do work on those carve-out areas, the answer is yes as long as it doesn't interfere with environmental investigations and cleanup done by the Navy, there is no exposure of hazards to people and the environment, and the purchaser does not make the areas of concern worse. If someone can answer positively to those three points, then there should be no reason for the Navy or agencies to postpone any development.
- Mr. Piszkin said in regards to perchlorate, the Navy is doing a study on further delineation and treatability alternatives for Site 1. This is not associated with and does not interfere with the sale of MCAS El Toro. The Navy spoke with the agencies today about this issue during the BCT meeting. Next week, there will be some well drilling being done on-site between Sites 1 and 2; the agencies will participate in overseeing the fieldwork.
- For the Site 2 groundwater remediation, the BCT did meet and discussed risk at the beginning of the Feasibility Study (FS). The residential risk assessment level is what the Navy is always striving for. This criteria considers if a person lives at this site for 30 years,

drinks 2 liters of unprocessed water a day, and has a certain level of exposure to the dirt. If a site meets residential risk criteria, it will not have restrictions. There will be restrictions at the landfill sites since the Navy will not allow for development for residential or daycare center use.

- The test fill (pad) for the Sites 2 and 17 landfill caps will be about 100 feet by 40 feet and is planned to be constructed during the first two weeks of April 2005. Mr. Piszkin said this may be a great time for the RAB to come on site for a tour (during the week) to see the contractors working. Other possible tours are in August 2005 for the landfill cap construction.
- Mr. Karnig Ohannessian, Navy Remedial Project Manager (RPM), commented on the Site 1 Radiological Release (mini release) Report that will be out in the next few weeks. The remainder of the mini release reports will be out this spring with most reports being finalized by June 2005. Mr. Ray Ouellette, RAB meeting attendee, asked if there will be a separate radiological release report for Site 1 and Mr. Piszkin confirmed that this is the case. Mr. Piszkin added that the "road map" for radiological survey and release report information would be included in the Updated Community Relations Plan.

NEW BUSINESS

Regulatory Agency Comment Update

Frank Cheng, Project Manager, Cal/EPA Dept. of Toxic Substances Control (DTSC)

Mr. Cheng said they received various schedule extension requests and technical reports from the Navy. DTSC has been busy reviewing reports, he added that DTSC approved:

- The 100 Percent Design Submittal, Shallow Groundwater Unit Remedial Action, for Installation Restoration Program (IRP) Site 24, Volatile Organic Compounds (VOCs) Source Area.
- The FFA extension request for IRP Sites 1, 2, 17, 18, and 24.

DTSC provided comments on:

- Closure Report for TAA 769.
- Work Plan for Temporary Accumulation Area (TAA) 7, TAA 651B, Aerial Photo Anomaly (APHO) 122, Underground Storage Tank (UST) 764/Oil/Water Separator (OWS) 764B, and concurred with proposed additional investigations.
- Draft Technical Memorandum, Aquifer Test IRP Site 2, Magazine Road Landfill.

DTSC concurred or had no further comments on:

- TAA 130A and 130B Report, no further action.
- Summary Report for APHO 120, APHO 101 and APHO 106, no further action.
- Radiological Release Reports, IRP Site 8 - (Units 2, 3, and 5), IRP Site 12, and IRP Site 25

(Bee Canyon Wash Outfall).

Richard Muza, Project Manager, U.S. Environmental Protection Agency (U.S. EPA) Region IX

Mr. Muza said since the last RAB meeting:

- U.S. EPA has approved the Final Radiological Release Report for IRP Sites 8, 12, and 25.
- Provided comments for the Draft Technical Memorandum, Aquifer Test, IRP Site 2, Magazine Road Landfill.
- Provided no other comments on the Draft Radiological Release Report for Former Sites of the Radium Plaque Adaptorometer Building and Aircraft Parts Yard.
- Gave approval and provided some comments for the 100% Design for Shallow Groundwater, IRP Site 24.
- U.S. EPA also approved the extension request for the FFA Appendix A Schedule.

Mr. Greg Hurley, RAB member, asked if the City of Irvine will be adopting health protocols and would the U.S. EPA be working with the City to help contractors. Mr. Muza said he does not know, but such questions have been asked. Mr. Hurley asked if U.S. EPA is able to use its authority to make the government comeback as it did at the Lowry Air Force Base. Mr. Muza said Lowry was not a National Priority List (NPL) site and it was handled by the state under the Resource Conservation and Recovery Act (RCRA) program. Mr. Muza said MCAS El Toro is an NPL site and oversight of IRP sites is done under U.S. EPA.

John Broderick, Project Manager, Regional Water Quality Control Board (RWQCB)

Mr. Broderick asked if anyone had any questions for RWQCB. A RAB meeting attendee asked, when you close petroleum sites, do you look at impacts, or coordinate with DTSC.

Mr. Broderick said they do not work directly with DTSC and RWQCB focuses on water quality criteria as opposed to health-based criteria. Generally, USTs are removed from depths below normal construction depths, so water quality standards, which are themselves health-based, are applied.

A RAB meeting attendee asked how deep does a water quality standard apply which would concern DTSC. Mr. Broderick said if special circumstances arise, DTSC would be involved. Typically, DTSC's concern would be with vapor release to buildings.

RAB Community Co-Chair Election

Mr. Piszkin went over the instructions for the protocol of the annual RAB Community Co-Chair election. He showed the RAB meeting attendance reports which lists the community RAB members that are eligible to vote. He also said the MCAS El Toro RAB Charter lists the Co-Chair responsibilities. He said it is an important position that serves to get the word out requires that attentiveness to the issues of concern to the community and to the technical issues and decision-making.

Ms. Rudolph made a motion to have Mr. Bob Woodings continue as the Community Co-Chair. Mr.

Hurley seconded the motion. The RAB voted unanimously to keep Mr. Woodings as the RAB Community Co-Chair.

State of the Station Annual Status Update of Environmental Activities for the Installation Restoration Program (IRP) and Compliance Program at Former MCAS El Toro, Mr. Andy Piszkin, MCAS El Toro BRAC Environmental Coordinator and RAB Co-Chair

Mr. Piszkin said the State of the Station presentation is a good reference resource for the current status of MCAS El Toro's environmental programs. This presentation is Mr. Piszkin's interpretation of where MCAS El Toro currently stands. On one handout of non-IRP locations with remaining characterization or remediation requirements, Mr. Piszkin highlighted potential No Further Action (NFA) sites. He also mentioned that less than 10 percent of all Locations of Concern (LOCs) have a likely groundwater concern. (Note: The State of the Station handout is attached to these minutes to serve as an informational resource.)

Mr. Piszkin also pointed out that the MCAS El Toro vision and mission statements were developed about 10 years ago to assist and focus the BRAC Cleanup Team (BCT) with the closing of MCAS El Toro.

Sites 3, 5, and AA3: Original & Perimeter Road Landfills, and Anomaly Area 3

Mr. Piszkin said these sites are important to redevelopment; they also are in carve-outs and remain under Navy control. The Navy thought it was important to go the extra mile last year and strive to present a conservative yet technically defensible buffer zone for the landfills; the Navy has worked with the agencies on additional testing and plans to include passive monitoring and gas collection systems. Even though the initial feasibility study for Sites 3 and 5 did not have to address landfill gas since any gas present was below the threshold criteria; these systems are being incorporated to ensure landfill gas will never be an issue, thus they will be built into the potential proposed remedy. The Navy plans to incorporate a piping system into the cap to help mitigate any potential landfill gas in the future for a timely response if it is ever needed.

In the near future, the Navy will be reissuing the Proposed Plan and Record of Decision (ROD) for Sites 3 and 5. The ROD was put on hold pending completion of the radiological issues with these landfills. The Navy's Proposed Plan for flexible membrane landfill caps has not changed. The property can then be transferred after the landfill caps and necessary gas systems are installed and after concurrence by the U.S. EPA that the final remedy is Operating Properly and Successfully (OPS).

A RAB meeting attendee asked about Anomaly Area 3 and if there will be additional groundwater evaluation. Mr. Piszkin said there will be additional groundwater monitoring and three groundwater monitoring wells will go through the landfill material and construction debris to check the condition or presence of any contaminants in the groundwater directly below the area. The Navy originally recommended no action for the site; however, after discussion with the BCT, the team agreed to take an additional look at the groundwater and to do it before the California gnatcatcher season. The groundwater level is 40 feet below the waste.

Sites 2 and 17: Magazine Road & Communication Station Landfills

The pre-construction activities with the test pad will begin in April 2005 followed by installation of the caps later this summer and into 2006. The evaluation of Site 2 groundwater continues with the Aquifer Test Report (draft in December 2004). The initial ROD did not include groundwater. The Proposed Plan and Draft ROD will be out later this calendar year.

Site 1: Explosive Ordnance Disposal (EOD) Range

Mr. Piszkin said Site 1 is not included in the auction and sale of MCAS El Toro property. It will likely be the last IRP site to be transferred. The U.S. Fish and Wildlife Service has proposed that part of the site be a habitat for endangered Riverside fairy shrimp. A study is being done to see if the area is a viable environment for the fairy shrimp. The water in the pond is being sampled to see if the Riverside fairy shrimp are there; more sampling will be done over the next 6 months. The pond is not a natural area; it is a bermed area built to keep surface water flow out of the EOD training area.

With perchlorate present at Site 1, as a result of military training activities, it is another reason why the site may be the last to get transferred under a Finding of Suitability to Transfer (FOST).

Site 8: Defense Reutilization and Marketing Office (DRMO) Storage Area

Mr. Piszkin said Sites 8 and 12 are in carve-out area III-B. Progress at both sites had been held at the Draft ROD stage in order to look at any potential radiological aspects. Radiological survey information and other findings will be incorporated into the radiological mini release report and the Site 8 Feasibility Study Addendum followed by a Proposed Plan. The Navy's Proposed Plan will then go back to the community for public comment and a public meeting will be held. The FS Addendum includes radiological information with the draft due for agency review in March 2005.

Site 12: Sludge Drying Bed

Same as above.

Site 11: Transformer Storage Area

Mr. Piszkin said this site is being held up by Sites 8 and 12 because the Navy wanted to do fieldwork all at the same time as an overall fast-tracking and cost efficiency action. The ROD has been signed. The Draft Final Remedial Design Work Plan was issued in January 2005. The remedial action fieldwork is scheduled for May/June 2005. The remedial action will involve excavation of contaminated material and off-site disposal at the proper facilities.

Site 16: Crash Crew Pit No. 2

Samples were conducted in 16 well locations to further analyze the monitored natural attenuation (MNA) remedy that was selected for the site. The remedy will use these wells to conduct MNA. The Draft Remedial Design is scheduled for June 2005. The remediation of petroleum

contamination with soil vapor extraction technology (SVE) is expected to occur in 2005/2006.

Site 18: VOC Contaminated Groundwater (Off-Station)

This is the site that put MCAS El Toro on the NPL list. This site is a large diluted plume of groundwater contaminated with volatile organic compounds (VOCs) that extends almost to Culver Drive. However, this is a success story since cleanup of the groundwater is being incorporated into the Irvine Desalter Project and the treated water will be used as a supply source of nonpotable water. After the systems are constructed, the former El Toro land (site 24 area) can go into the Finding of Suitability to Lease (FOSL) process.

Site 24: VOC Source Area (On-Station)

A NFA Proposed Plan for the remediated soils at this site will be issued for public comment in 2005 followed by a ROD. As for the groundwater remedy, it is in coordination with Site 18 remedial design efforts.

No Further Action Sites: Various

The RODs have been finalized for the 13 IRP sites by the Navy and federal and state regulatory agencies. About \$24 million was spent on these sites. Environmental investigation activities determined that site conditions did not pose an unacceptable risk to human health and no further action was warranted. These sites met the risk assessment criteria for residential reuse.

Groundwater Monitoring

An extensive effort has been conducted at MCAS El Toro for groundwater monitoring. At one point over 300 wells were used for groundwater monitoring. Currently, nearly 250 monitoring well ports, both on- and off-station are used. In support of property transfer and the auction, all wells located in areas of transferable property were removed. The Navy is evaluating the decommissioning of 30 to 50 more wells in 2005. An indoor air risk assessment verification modeling was performed at the highest VOC groundwater sites. This determined that the possibility of indoor air intrusion from VOCs is not an issue at MCAS El Toro.

Radiological Release Report

All site-specific "mini" radiological release reports will be completed spring 2005. The final survey sampling fieldwork was completed in February 2004. All work is coordinated and controlled by the Navy Radiological Affairs Support Office, U.S. EPA, and California Department of Health Services. A public notice will come summer 2005 for an Action Memorandum for extraction of radiological materials from one of the hangers. The action is being taken since the level determined by the State for taking a cleanup action has been changing over the years and has been lowered since the initial radiological removal action. Therefore, planning for another removal action has started.

Environmental Program Summary

Mr. Piszkin said there is a correction on the slide in the chart, the footnote should read "less than" (not greater than). Of the 854 NFA sites, over 800 reached NFA without the need for any remediation or cleanup. That's roughly 98 percent of the NFA sites being designed in this manner - without a contamination level triggering the need for any remedial work. There are 13 IRP sites designated as No Action sites and the Navy has 167 sites that are still in progress.

Promote Reuse (Property Transfer)

Environmental Baseline Survey (EBS)

- Bottom-up review of the MCAS El Toro programs; EBS finalized in September 2003.

Finding of Suitability to Transfer (FOST)

- Documents that 75 percent of available property is environmentally transferable; FOST finalized in July 2004.

Finding of Suitability to Lease (FOSL)

- Forty-one separate non-transferable carve-outs remain under Navy control; FOSL finalized in July 2004.

A RAB meeting attendee asked if the RCRA boundaries will dissolve after the carve-out areas are transferred. Mr. Piszkin said the intent is to consolidate CERCLA as well as RCRA requirements. By law, the FOST is focused on CERCLA at MCAS El Toro but the Navy has included RCRA, CERCLA, and Petroleum Program carve-out areas. There are 11 petroleum-only carve-out areas comprising about 16 acres. Even if these carve-outs are transferable under CERCLA, the Navy has carved them out and will continue to address the concerns at these designated areas.

Redevelopment in Carve-out Areas

In the FOSL areas, prior government approval is required for alteration of the property (i.e. infrastructure removal or construction, demolition, grading, etc.). There is a project review process in which the new owner submits a project description to the Navy that describes how the work will be accomplished without causing any adverse effects as stated before. These include: the Navy's environmental program, human health and safety, and the environment.

The Navy real estate team will coordinate review of the project with the environmental team (Navy and regulating agencies) in accordance with our Lease and Furtherance of Conveyance (LIFOC) requirements. The time frames for review and approval depend on the potential impacts and the quality and completeness of the submittal.

Funding

Even though much funding has been spent, environmental budgets have not been cause for a lack of progress at MCAS El Toro. Implementation of environmental investigation and restoration programs requires a lot of negotiations involving the Navy and the regulatory agencies and reaching agreement which may cause progress to be slowed. Mr. Piszkin reviewed funding to date.

- Funded/obligated to date - approximately \$180 million (1985 to 2004)
 - Approximately \$131 million (Installation Restoration Program)
 - Approximately \$49 million (Compliance Program)
- Current budget for fiscal year (FY) 2005
 - Approximately \$8 million
- Estimated cost to complete (FY05 and beyond)
 - Approximately \$72 million
- Future BRAC funding associated with land sales revenue

Mr. Peter Hersh, RAB member, asked if the \$72 million in estimated costs are earmarked for fiscal year 2005. Mr. Piszkin said there is no guarantee until Congress appropriates the funds. The Navy and DoD put together a 5-year plan of needs for Congress. The \$72 million is to finish efforts at MCAS El Toro. The money from the sale of BRAC property goes into a general BRAC fund to help fund all other base closure activities, including those for MCAS El Toro.

Open Q & A -- Environmental Topics

Mr. Piszkin opened the floor to any questions.

Mr. Ray Ouellette, RAB meeting attendee, asked Mr. Piszkin for his best guess on the \$72 million, and how many years will it take to complete cleanup at MCAS El Toro not counting the long-term groundwater monitoring. Mr. Piszkin said the \$72 million is for the 5-year period of FY 2005 and beyond. The majority of this is for capping the landfills and remediating groundwater. He added that Site 1 has a Draft ROD to be completed in November 2006 and Final ROD in 2007. For planning purposes, allow at least one year for remedial design, one year for cleanup, and in 2011 or 2012 the site may be ready to go through the FOST process then it can be transferred thereafter.

Mr. Hersh asked how long the RAB will operate. Mr. Piszkin said until the ROD for Site 1 is completed in 2007. MCAS El Toro is on a good track, the project teams are working together very well. The RAB could go on for another 3-4 years, but may meet less frequently.

Dr. Michael Brown, consultant for the City of Irvine, asked about the easement for fuel pipeline that comes into MCAS El Toro. Mr. Piszkin said MCAS El Toro has ownership that starts at Tank 555. It is a carve-out area. There is no knowledge of the pipeline leaking and it is not a location of concern at MCAS El Toro. Mr. Piszkin said he has the contact person's information if someone would like to contact him regarding the issue of the pipeline.

A motion was made to move RAB meetings to quarterly, however, Mr. Woodings said he would like to have a presentation at the March 2005 RAB meeting to see where the RAB stands with regards to the project milestones. The motion was then revoked.

Mr. Piszkin made an announcement that he will be leaving the Navy in the next few months but no sooner than the end of February 2005. He said he will help in any way he can with the transfer to a new BEC.

MEETING EVALUATION AND FUTURE TOPICS

Suggestions for future presentation topics include:

- Site tours
- Riverside fairy shrimp and California gnatcatcher update.
- Irvine Ranch Water District update on the groundwater cleanup.
- Update to determine if the RAB should move to quarterly meetings or continue with the bimonthly meeting schedule.

Upcoming RAB Meeting, and Subcommittee Meeting

The next RAB meeting will be held from 6:30 to 9 p.m., March 30, 2005, in the regular meeting location, Irvine City Hall, Conference and Training Center (CTC), One Civic Center Plaza, Irvine. A RAB Subcommittee meeting will be held from 5 to 6 p.m., the same evening in Room L-104 at Irvine City Hall.

Recent RAB Subcommittee Meetings

The most recent RAB Subcommittee meeting was held January 26, 2005, in Room L-104, Irvine City Hall, before tonight's RAB meeting.

RAB Meeting Adjournment - January 26, 2005 Meeting

The 73rd meeting of the MCAS El Toro Restoration Advisory Board was adjourned at 8:50 p.m.

1/26/05 RAB Meeting Attendance:

TOTAL PEOPLE IN ATTENDANCE	TOTAL PEOPLE ON SIGN-IN SHEET	TOTAL RAB MEMBERS PRESENT	TOTAL RAB AGENCY MEMBERS PRESENT	TOTAL RAB COMMUNITY MEMBERS PRESENT	TOTAL EXCUSED ABSENCES RAB MEMBERS	EXCUSED ABSENCES – AGENCY RAB/ COMMUNITY RAB
34	33	10	5	5	1	1/0

RAB and Subcommittee Meeting Schedule (March 2005 - July 2005)

RAB and Subcommittee Meeting Dates	RAB Meeting Conference and Training Center (CTC) 6:30 – 9:00 p.m.	Subcommittee Meeting Room L-104 5:00 – 6:00 p.m.
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Wed., March 30, 2005	CTC	Room L-104
Wed., May 25, 2005	CTC	Room L-104
Wed., July 27, 2005	CTC	Room L-104

Additional Date Reserved: Wed., April 27, 2005

Materials/Handouts Include:

- *RAB Meeting Agenda/Public Notice - 1/26/05 RAB meeting - 73rd meeting.
- *Meeting Minutes from the December 1, 2004 RAB meeting - 72nd Meeting.
- Proposed RAB Community Co-Chair Election Process for RAB Meeting January 26, 2005.
- MCAS El Toro RAB Meeting Schedule, Full RAB and RAB Subcommittee (July 2004-July 2005).
- MCAS El Toro RAB Mission Statement and Operating Procedures.
- RAB Membership Application - MCAS El Toro RAB.
- MCAS El Toro RAB Membership Roster (revised July 2004).
- MCAS El Toro Installation Restoration Program - Mailing List Coupon.
- MCAS El Toro - BRAC Cleanup Team Members and Key Project Representatives and Administrative Record File and Information Repository Locations and Contacts.
- MCAS El Toro Installation Program Site Location Map
- Internet Access - Environmental Web Sites.
- One-Page Glossary of Technical Terms.
- Department of Navy - Policy for Conducting Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Statutory Five-Year Reviews, November 2001.
- Department of Navy - Policy for Optimizing Remedial and Removal Actions Under the Environmental Restoration Programs, April 2004.
- Department of Defense - Institutional Controls, Spring 1997.
- Department of Defense - A Guide to Establishing Institutional Controls at Closing Military Installations, February 1998.
- Department of Defense - Memorandum - Responsibility for Additional Environmental Cleanup after Transfer of Real Property, 1997.
- U.S. EPA Fact Sheet - A Citizen's Guide to Natural Attenuation, October 1996.
- Brochure - Commonly Asked Questions Regarding the Use of Natural Attenuation for Chlorinated Solvent Spills at Federal Facilities (Brochure developed through a partnership of U.S. EPA, Air Force, Army, Navy, and Coast Guard).
- U.S. EPA Fact Sheet - Checking Up on Superfund Sites: The Five-Year Review, June 2001.
- Presentation- State of the Station by F. Andrew Piszkin, BRAC Environmental Coordinator and Navy RAB Co-Chair, for the January 26, 2005 Restoration Advisory Board Meeting for Former MCAS El Toro.

* Mailed to all RAB meeting mailer recipients on 11-19-04.

Agency Comments and Letters - U.S. Environmental Protection Agency (U.S. EPA)

- U.S. Environmental Protection Agency - Final Radiological Release Report for ISP Site 8 (Unites 2, 3, & 5), IRP Site 12 and IRP Site 25 (Bee Canyon Wash Outfall), Former Marine

Corps Air Station El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated December 6, 2004).

- U.S. EPA - EPA Review Comments on the Draft Technical Memorandum, Aquifer Test, IRP Site 2, Magazine Road Landfill, Former Marine Corps Air Station El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated December 20, 2004).
- U.S. EPA - Draft Radiological Release Report for Former Sites of the Radium Plaque Adaptometer Building and Aircraft Parts Yard, Former Marine Corps Air Station El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated January 10, 2005).
- U.S. EPA - Approval of the 100 Percent Design Submittal, Shallow Groundwater Unit Remedial Action Installation Restoration Program Site 24 Volatile Organic Compounds Source Area, Former Marine Corps Air Station El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated January 20, 2005).
- U.S. EPA - Federal Facility Agreement (FFA) Appendix A Schedule and Extension Request for Installation Restoration Program (IRP) Sites 1, 2, 17, 18, and 24, Former Marine Corps Air Station El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated January 25, 2005).

Agency Comments and Letters - California Environmental Protection Agency (Cal-EPA)

- Cal-EPA, Department of Toxic Substances Control (DTSC) - Summary Reports for Aerial Photograph Anomaly (APHO) 106, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated December 7, 2004).
- Cal-EPA, DTSC - Approval of Closure Report for Temporary Accumulation Area (TAA) 130A & 130B, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated December 10, 2004).
- Cal-EPA, DTSC - Comments on the Closure Report for Temporary Accumulation Area (TAA) 769, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated December 14, 2004).
- Cal-EPA, DTSC - Approval of Summary Report for Aerial Photograph Anomaly (APHO) 120, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated December 21, 2004).
- Cal-EPA, DTSC - Comments on Work Plan for Temporary Accumulation Area (TAA) 7, TAA 651B, Aerial Photograph Anomaly (APHO 122), Underground Storage Tank (UST 764A)/Oil Water Separator (OWS 764B), Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated December 30, 2004).
- Cal-EPA, DTSC - Comments on Draft Technical Memorandum, Aquifer Test IRP Site 2, Magazine Road Landfill, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated January 12, 2004).

- Cal-EPA, DTSC - Approval of 100% Design Submittal, Shallow Groundwater Unit Remedial Action, IRP Site 24, Volatile Organic Compounds Source Area, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Manny Alonzo, Unit Chief, DTSC (letter dated January 14, 2005).
- Cal-EPA, DTSC - Approval Summary Report for Aerial Photograph Anomaly (APHO) 101, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated January 18, 2005).
- Cal-EPA, DTSC - Radiological Release Reports, IRP Site 8 - (Units 2, 3, & 5), IRP Site 12, and IRP Site 25 (Bee Canyon Wash Outfall), Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated January 19, 2005).
- Cal-EPA, DTSC - Federal Facility Agreement (FFA) Extension Request for Installation Restoration Program (IRP) Site 1, 2, 17, 18, 24, Former MCAS El Toro - To: F. Andrew Piszkin, BEC, MCAS El Toro; From: Tayseer Mahmoud, Senior Hazardous Substances Engineer, DTSC (letter dated January 21, 2005).

California Regional Water Quality Control Board (RWQCB), Santa Ana Region

- No Items Submitted

RAB Subcommittee Handouts and Letters (*generally provided by Marcia Rudolph, MCAS El Toro RAB Subcommittee Chair*)

- No Items Submitted

Additional Information Submitted - 1/26/05 RAB Meeting

- Irvine Ranch Water District - Irvine Desalter Project Update, To: MCAS El Toro Restoration Advisory Board, From: Steve Malloy (Memorandum dated January 26, 2005).

Copies of all past RAB meeting minutes and handouts are available at the MCAS El Toro Information Repository, located at the Heritage Park Regional Library in Irvine. The address is 14361 Yale Avenue, Irvine; the telephone number is (949) 551-7151. Library hours are Monday through Thursday, 10 am to 9 p.m.; Friday and Saturday, 10 am to 5 p.m.; Sunday 12 p.m. to 5 p.m.
