

FORMER MARINE CORPS AIR STATION EL TORO
RESTORATION ADVISORY BOARD MEETING

March 29, 2006

MEETING MINUTES

The 80th Restoration Advisory Board (RAB) meeting for Marine Corps Air Station (MCAS) El Toro was held Wednesday, March 29, 2006 at Irvine City Hall. The meeting began at 7:45 p.m., following the public meeting for Installation Restoration Program (IRP) Sites 8 and 12. These minutes summarize the RAB meeting discussions and presentations.

WELCOME, INTRODUCTIONS, AGENDA REVIEW

Mr. Darren Newton, Base Realignment and Closure (BRAC) Environmental Coordinator (BEC) for Former MCAS El Toro and Marine Corps RAB Co-Chair, welcomed everyone to the meeting. He asked Ms. Marsha Rudolph, RAB Subcommittee Chair, to lead the Pledge of Allegiance. Mr. Newton reviewed the agenda for the meeting and said the key presentations will cover the Anomaly Area 3, Remedial Investigation and Feasibility Study (RI/FS).

Mr. Newton pointed out two poster/information boards that were on display. One poster board shows the areas at Former MCAS El Toro that are still under Navy control as part of the cleanup while the second one showed specific areas of the IRP sites that have not yet been closed out. Mr. Newton introduced the new Remedial Project Managers (RPMs) for MCAS El Toro. Mr. Art Tamayo, Navy RPM, has been on the BRAC Marine Corps Team working on the Mare Island project. Ms. Sue Hakim, Department of Toxic Substances Control (DTSC), who will be replacing Mr. Frank Cheng, has been with the agency for 13 years. She said she has been working on the Long Beach Naval Station Complex for the past 6 years and is excited to join the MCAS El Toro team. Mr. Cheng is moving on to a position with Cal-Trans. These introductions were followed by self-introductions of all those in attendance.

Announcements

Mr. Newton went over the informational materials that are available on the RAB handout table.

Mr. Newton said the Navy has written letters of appreciation to Mr. Fred Meier and Mr. Jerry Werner, former RAB members, thanking them for their commitment and activism. Mr. Newton said they both added significant value to the process and appreciates their support over the years. Mr. Dean Gould, Base Closure Manager Navy BRAC Program Management Office West for both Former MCAS El Toro and Former MCAS Tustin signed both of the letters adding a personal touch. Mr. Bob Woodings, RAB Co-Chair, said he would present the letter of appreciation to Mr. Werner at the El Toro Water District Board meeting.

Mr. Newton said the letter to Mr. Fred Meier, who served on both the El Toro and Tustin RABs, was read at the February 22, 2006 RAB meeting for Former MCAS Tustin. He read the letter of appreciation for Mr. Werner.

“Mr. Jerry Werner has been an active member of the former Marine Corps Air Station (MCAS) El Toro Restoration Advisory Board (RAB) and a charter signatory for over 8 years. As a RAB member, Mr. Werner has served as an expansion of Department of Defense’s (DoD) Technical

Review Committee (TRC), and has actively served in a public forum for the exchange of information and ideas among citizens, the DoD, United States Environmental Protection Agency (EPA), and the State. In doing so, he has added significant value to the restoration process at MCAS El Toro.

The DoD sincerely appreciates Mr. Werner's commitment to improving DoD's restoration program by increasing community understanding and support for restoration efforts, improving the technical aspects of decisions, and ensuring responses adequately addressed community concerns.

Mr. Werner's contributions have been instrumental to the Navy and the community in achieving the goal of expediting restoration and reuse of these former bases totaling over 4,600 acres. Job well done!"

The letter to Mr. Fred Meier, who served on both the El Toro and Tustin RABs, reads as follows:

"Mr. Fred Meier has been an active member of the former Marine Corps Air Station (MCAS)Tustin and El Toro Restoration Advisory Boards (RABs) and a charter signatory for over 8 years. As a RAB member, Mr. Meier has served as an expansion of Department of Defense's (DoD) Technical Review Committee (TRC), and has actively served in a public forum for the exchange of information and ideas among citizens, the DoD, United States Environmental Protection Agency (EPA), and the State. In doing so, he has added significant value to the restoration process at both bases.

The DoD sincerely appreciates Mr. Meier's commitment to improving DoD's restoration program by increasing community understanding and support for restoration efforts, improving the technical aspects of decisions, and ensuring responses adequately addressed community concerns.

Mr. Werner's contributions have been instrumental to the Navy and the community in achieving the goal of expediting restoration and reuse of these former bases totaling over 6,000 acres. Job well done!"

Mr. Newton said the Former MCAS El Toro BRAC team put together a package of environmental accomplishments at the Station and submitted it to the Assistant Secretary of the Navy for Environmental Restoration Award as part of an awards competition among military bases across the nation. The MCAS El Toro BRAC Team was awarded the "Secretary of the Navy FY 2005 Environmental Award" in the category of "Environmental Restoration – Individual/ Team. He thanked Ms. Content Arnold, Navy Lead RPM, and the rest of the team and regulatory agency members for their hard work in the restoration of the former station.

Mr. Newton noted there was an Irvine Desalter Project Status Update Memorandum provided by Mr. Steve Malloy, RAB member representing the Irvine Ranch Water District, on the handout table. Mr. Newton said the construction of the shallow groundwater unit treatment system is on schedule to be completed in April 2006. Construction of the principal aquifer treatment plant is also on schedule and completion is set for June 2006.

Mr. Woodings said he was presented with a few concrete pieces from a portion of the runways at Former MCAS El Toro as they are being demolished. He brought a sample to share with the RAB symbolizing that redevelopment is underway.

Review and Approval of the January 25, 2006 RAB Meeting Minutes

Mr. Woodings asked if anyone had changes to the RAB meeting minutes. Ms. Rudolph said on page 4, first bullet at the bottom of the page, changes to say, "...there has been characterization."

Mr. Woodings made a motion for acceptance of the minutes with Ms. Rudolph's correction. The motion was seconded and the January 25, 2006 RAB meeting minutes were approved by the RAB.

Navy's Response to the Subcommittee Report from the January 25, 2006 RAB Meeting

Mr. Newton gave responses to the RAB Subcommittee report presented by Ms. Rudolph at the January 25, 2006 RAB meeting.

Topics and concerns discussed at the RAB Subcommittee meeting are numbered and listed below followed by responses from the Navy RAB Co-Chair.

1) *Ms. Rudolph said there was a question related to the discussion of the digging up of the runways. She said there has been environmental characterization at the sides of the runways, and asked if the Navy will attempt to characterize the areas below the runways to determine if they are contaminated or not. Also, she asked if the Navy representatives will be observing runway demolition and if environmental testing will be conducted once the asphalt and cement has been removed.*

Navy Response:

The Final Environmental Baseline Survey (EBS) for Former Marine Corps Air Station El Toro, California, September 2003, documented the investigations completed on the station.

Based on the findings of the investigations, most of the runway areas were assigned an Environmental Condition of Property Type 3, indicating no further action is required, and regulatory concurrence with a no further action recommendation has been obtained. DTSC and the U.S. Environmental Protection Agency (U.S. EPA) concurred with the findings for the runways presented in the Draft EBS, April 2003.

For areas not requiring further action, the Navy will not conduct additional investigations of the runways. One small runway area remains in the Potential Release Location (PRL) Program; PRL Runway Infield Area. The majority of the runways were transferred to the Orange County Great Park Corporation and Lennar. Navy representatives will not be observing demolition of the runways.

2) *Ms. Rudolph said that it would be most valuable to have a map at the RAB meeting that shows the reuse plan. She suggested that it would be best to have this as an overlay to the aerial/plume map which serves as a frame of reference.*

Navy Response:

The mission of the RAB is to promote community awareness and obtain timely, constructive community review and comment on proposed environmental restoration actions to accelerate the cleanup and property transfer of Former MCAS El Toro. The Navy is not reusing and redeveloping the property. For those interested in reuse and redevelopment of the Former MCAS El Toro, please contact your local planning boards. A handout with reuse and redevelopment information is provided on the information table.

3) *Ms. Rudolph said perchlorate is a problem associated with IRP Site 1, even though it appears contamination has migrated to IRP Site 2. She asked if the documentation presents a different method of addressing the perchlorate at IRP Site 1 as opposed to IRP Site 2. She further asked, if there are different treatment options for the two sites.*

Navy Response:

The perchlorate in the groundwater is located in the northeast portion of Former MCAS El Toro and is

being addressed as part of the IRP Site 1 Remedial Investigation (RI). The Navy has documented that IRP Site 1 is the origin of the perchlorate and that the perchlorate has migrated from IRP Site 1 to IRP Site 2.

Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process at IRP Site 1, the current phase of activity is the RI that includes detailed investigation and characterization of the site and an evaluation of risk to human health and the environment. Following the RI, the Navy will conduct an analysis of alternatives for cleanup in a feasibility study (FS) based on potential contaminants of concern (including perchlorate). A single response action for perchlorate in the groundwater originating from IRP Site 1 (and migrating to IRP Site 2) will be considered under the FS phase for IRP Site 1. At this time, it is unknown if the remedial actions for these two sites will be different.

4) *Ms. Rudolph suggested that another RAB tour of Former MCAS El Toro be arranged, possibly in April 2006, since it has been almost a year since the previous RAB tour.*

Navy Response:

The Navy will circulate a sign-up sheet at tonight's meeting for those interested in a RAB tour. The tour should be scheduled during the work week in an effort to maximize the value of the visit so that active remediation may be observed.

NEW BUSINESS

Regulatory Agency Comment Update

Mr. Richard Muza, Project Manager, U.S. Environmental Protection Agency Region IX

Mr. Muza said U.S. EPA reviewed and approved an extension request for IRP Sites 1, 2, 3, 5, 8, 12 and Anomaly Area 3. He said U.S. EPA just submitted comments on the Draft RI/FS for Anomaly Area 3. He added that U.S. EPA and DTSC had concerns with the human health and ecological risk assessments. He said the BRAC Cleanup Team (BCT) is working through the risk concerns at this time, and that the California Department of Fish and Game is also reviewing the ecological risk assessment. He said there was a positive outcome today at the BCT meeting because all comments were consistent with the previous regulatory comments on the human health risk and ecological risk associated with IRP Site 1.

Mr. Muza said U.S. EPA concurred on the Site Closure Report for IRP Site 11. At this site, soil was excavated and disposed of off-station. He explained there is a new procedure calling for "certification" for site closure reporting referred to as Remedial Action Completion Report or RACR with a signature page included for BRAC Cleanup Team members to sign. The RACR confirms that the site will go from "in-progress" to "complete."

Mr. Muza said U.S. EPA concurred on the Draft Final Proposed Plan for IRP Sites 8 and 12 in which the public meeting was held earlier this evening. U.S. EPA also concurred with the Draft Final and subsequently signed off on Final Record of Decision (ROD) for IRP Site 24 – VOC Source Area Vadose Zone. U.S. EPA also concurred with the Final Explanation of Significant Differences for IRP Site 18 – Regional Volatile Organic Compound Groundwater Plume (Operable Unit 1) and IRP Site 24 Volatile Organic Compounds Source Area (Operable Unit 2A).

Mr. Muza said that U.S. EPA was initially approached by Heritage Fields regarding the National Priority List (NPL) boundary at Former MCAS El Toro. He said U.S. EPA was again approached and

have responded to Heritage Fields with a letter with further clarification of the NPL boundary listing. Details of U.S. EPA's clarification are included with the other letters from U.S. EPA available on the handout table.

Former MCAS El Toro Environmental Status Update - Mr. Darren Newton, Navy BRAC Environmental Coordinator

Groundwater Monitoring Program

Mr. Newton said the Navy is currently revising the Groundwater Monitoring Work Plan to have a new stand alone plan, and will evaluate which wells need to be abandoned in the summer/fall 2006. Results of Round 22 Routine Groundwater Monitoring will be issued in a report in April 2006.

Potential Release Locations (PRLs)

The Navy is currently resolving issues on Group III PRLs. The Group IV reports are contingent on funding and available resources and the Navy expects that should have Group IV A and B reports completed in June 2006 with Group IV C scheduled to be completed in November 2006.

Findings of Suitability to Transfer (FOST) #3

The Navy is planning on issuing the Draft FOST #3 in April 2006. The anticipated date for the Draft Final FOST and public review are scheduled for June 2006.

Radiological Program

The Mini Release Report #2 was issued in August 2005 and the Navy received regulatory concurrence. The Navy's response to DTSC comments are going to be issued in April 2006. The Response to Comments to Mini Release Report #3 was emailed to the regulatory agencies on March 9, 2006.

IRP Site 1 (EOD Training Facility)

The Draft Final RI Report will be sent to regulatory agencies on April 19, 2006. The Navy is looking to resolve any outstanding issues or comments. The Navy anticipates issuing the Draft Summary Document in April 2006 for a 30-day agency review. Subsequently, the FS would be initiated.

IRP Site 2 and 17 (Landfills)

This week the Navy finalized the design drawings for IRP Site 2 and are resolving issues and moving ahead with construction details. Previously, the Navy backfilled Areas C1 and C2, and documented various concentrations of contaminants in the soils. Thus, the Navy decided to over-excavate and sample the area. The Navy is waiting for the sampling results. The California gnatcatcher season started February 15, 2006.

Anomaly Area 3 (Anomaly Area 3) (Landfills)

The Navy is in the process of resolving comments on the Draft RI/FS Report received from regulatory agencies.

IRP Site 8 and 12 (DRMO Storage Yard & Sludge Drying Beds)

The public meeting to present the proposed plan for these sites was held earlier this evening.

IRP Site 11 (Transformer Storage Area)

The Closure Report was submitted in January 2006 and the Navy received regulatory agency comments and is currently working on responses to comments. Mr. Newton said he anticipates this site will be removed from the environmental program. He also noted there is a series of signatures that will be needed in order to meet the new DoD/U.S. EPA joint guidance certification document, referred to as RACR, to be in compliance with the site closure certification process.

IRP Site 16 (Firefighter Contaminated Groundwater)

The Final Remedial Design was issued in March 2006. The Navy issued the Draft Operating Properly and Successfully (OPS) Report and it is currently out for 60-day regulatory agency review. Additionally, the Navy recently issued the Final Soil Vapor Extraction (SVE) work plan. IRP Site 16 will be suitable for FOST after the completion of the OPS Report.

IRP Site 18 (On & Off Station Contaminated Groundwater)

The fact sheet was distributed the first week of February 2006. The Irvine Desalter Project is on schedule and should be online in June 2006. Currently, the Navy is waiting on Explanation of Significant Differences and ROD signatures.

Mr. Glen Worthington of the Orange County Great Park organization asked about the IRP Site 16 OPS Report. Mr. Newton said the remedy of Monitored Natural Attenuation (MNA) is in place at this site as part of the Remedial Design. The ROD sets certain criteria for cleanup of the site. The Navy is evaluating how the cleanup meets the criteria and this is presented in the OPS Report. When the remedy is operating successfully, the site is then suitable for transfer.

Mr. Worthington said there were two components, groundwater and soil, for IRP Site 16, which component does MNA cover? Ms. Arnold said at IRP Site 16, soil comprises the Compliance Program component and the CERCLA Program component consists of groundwater. SVE addresses the soil and MNA addresses the groundwater, and the OPS report pertains to the groundwater.

Presentation

Anomaly Area 3, Remedial Investigation and Feasibility Study, Mr. Jim Callian, MCAS El Toro Remedial Project Manager.

Mr. Callian introduced Mr. Crispin Wanyoike, Earth Tech, to present the latest information on Anomaly Area 3.

Mr. Wanyoike said the Anomaly Area 3 comprises about 9 acres of land in the northwest portion of the former station near the base boundary. It was first identified in a series of aerial photographs followed by a series of excavations that helped determine the area required follow-up investigation. Anomaly Area 3 was used as a source of borrow material for other station activities. The borrow pits and trenches were backfilled with construction debris from 1972 to 1988 and later covered with 2 to 5 feet of soil. Construction debris was found to be from the waste management activities associated with IRP Site 3, Original Landfill. Investigations were planned to determine if the backfill impacted human health and the environment. This involved pre-Removal Site Evaluation (RSE) investigations consisting of a literature and records search, site visits and visual inspections, groundwater and vapor well installation and sampling, a geophysical investigation, trenching and soil sampling. A radiological release survey was conducted to characterize if there were radiological concerns associated with the site. The Radiological Release Report IRP Sites 3 and 5 included Anomaly Area 3. There are no radiological concerns associated with Anomaly Area 3. Results of the RSE effort determined that it was necessary to conduct a complete RI for Anomaly Area 3.

He said the focus and scope of the RI activities was to determine if there was any impact from placement of debris. This effort involved confirming the lateral limits of debris placement and involved conducting of a geotechnical assessment of the existing cover. An evaluation of human

health and ecological risk was also conducted. Extensive sampling and analysis was conducted on the existing site cover and 13 groundwater monitoring wells were installed and over 100 groundwater samples were collected. Also, more than 40 soil samples were collected along with the collection of numerous soil gas samples directly from the waste areas. Samples were analyzed for metals, volatile organic compounds (referred to as VOCs), semi-volatile organic compounds (referred to as SVOCs), and petroleum hydrocarbons. Trenches were dug to identify wastes and to estimate quantities of waste that were placed at the site. Mr. Wanyoike showed a series of cross sections where data was collected that provides a snapshot of subsurface conditions. A habitat assessment at the site was also conducted.

As part of the RI, a Human Health Risk Assessment was completed. Mr. Wanyoike noted that results indicate there is not an unacceptable health risk at this site. The surface soil was tested at 1 to 3 feet and the shallow subsurface soil at 3 to 10 feet and human health risk was calculated based on the sampling results. He explained that the acceptable risk range is less than or equal to 10^{-6} which means that in a given population, less than 1 additional cancer case in a population of one million are possible. The risk management target range is from 10^{-4} through 10^{-6} and this is typically looked at and means that between 1 and 100 additional cancer cases in a population of 1 million are possible. Human Health risks at Anomaly Area 3 are within the risk management target range. He explained that polynuclear aromatic hydrocarbons or PAHs detected in the surface soil (1 to 3 feet deep) contributed to 67 percent of the total risk and 32 percent in the shallow subsurface soil (3 to 10 feet deep). Levels of naturally occurring arsenic in soil and groundwater comprise the rest of the risk; however, these levels are consistent with background levels at and nearby Former MCAS El Toro.

The ecological risk assessment was also completed. Conclusion of this assessment determined that metals are present in the soil, but they were present at the background concentrations. There are no site-related activities that would cause adverse effect to the ecological receptors. The sediments were evaluated upgradient and downgradient of the site and two metals, nickel and zinc, were detected but both are within the background concentration levels. For surface water, the samples were similar to the upgradient and downgradient samples and Anomaly Area 3 has not had an adverse impact on water quality in the Aqua Chinon Wash.

Mr. Wanyoike said all investigations of all media associated with Anomaly Area 3 are complete and the human health and ecological risks are within the risk management target ranges. The groundwater indicates no trends of a site-related release of contaminants. A large portion of risk associated with groundwater is due to naturally-occurring arsenic. Therefore, no response action for groundwater is recommended. Mr. Wanyoike said an evaluation of response actions for continued protection of human-health and the environment was recommended due to the presence of construction-related debris in proximity to groundwater and the elevated concentrations of methane in soil gas in the central portion of the site.

Mr. Wanyoike said an evaluation of response actions for continued protection of human health and the environment was recommended due to the presence of construction-related debris in proximity to groundwater and the elevated concentrations of methane in soil gas in the central portion of the site. This resulted in developing the following remedial action objectives to:

- Minimize direct human contact with landfill wastes.

- Control surface water run-on/off and erosion. Minimize infiltration of surface water and potential leaching to groundwater.

Mitigate landfill gas migration consistent with the Department of the Navy's agreement with Federal Facility Agreement Signatories and the California Integrated Waste Management Board.

Minimize contact with surface water in Aqua Chinon Wash and landfill wastes.

Mr. Wanyoike said to address the remedial action objectives the following remedial action alternatives are being developed:

Alternative 1: No Action

Alternative 2: Limited Grading, Monitoring, and Institutional Controls (ICs)

Alternative 3: Containment, Monitoring, and ICs

- o Alternative 3a: Containment with Evapo-transpiration Cover
- o Alternative 3b: Containment with Title 27 Prescriptive Cap
- o Alternative 3c: Containment with Modified Title 27 Prescriptive Cap with a Geo-synthetic Clay Liner
- o Alternative 3d: Containment with Modified Title 27 Prescriptive Cap with Flexible Membrane Line

Alternative 4: Clean Closure and Groundwater Monitoring. An estimated 250,000 cubic yards of debris would be removed under this alternative.

Mr. Wanyoike shared a cost summary of the remedial alternative costs. He explained that for clean closure the Navy looks at the three different ratios of hazardous waste to non-hazardous waste to determine clean closure costs.

Mr. Wanyoike provided an overview of the current schedule for Anomaly Area 3:

Draft RI/FS was issued in December 2005.

Draft Final RI/FS will be issued in May 2006.

Draft Proposed Plan will be issued in May 2006.

Draft ROD will be issued in October 2006.

Discussion

Mr. Peter Hersh, RAB member, asked for clarification on where the debris at Anomaly Area 3 came from. Mr. Wanyoike said this debris is associated with waste management activities conducted at IRP Site 3 and consists mostly of construction debris made up of decaying organics (wood) which tends to produce methane gas. Mr. Hersh asked about Alternative 4 and why clean closure is so expensive. Mr. Wanyoike said the area that pertains to Alternative 4 consists of about 5 acres, is 30 to 40 feet thick, and approximately 250,000 cubic yards of debris would need to be segregated and hauled away. The total cost also includes disposal costs.

Open Q & A -- Environmental Topics

Mr. Newton asked if there were any other environmental questions. No questions were raised by RAB members.

Mr. Woodings wanted to thank Mr. Frank Cheng for his support as the DTSC representative and wishes him the best of luck on his future endeavors.

MEETING EVALUATION AND FUTURE TOPICS

No suggestions for future presentation topics were provided. Mr. Newton will work with the RAB Community Co-Chair on developing future presentation topics.

Action items:

Mr. Newton will work with the RAB Community Co-Chair to develop a date for the RAB tour of environmental sites at Former MCAS El Toro.

Upcoming RAB Meeting and Subcommittee Meeting

The next RAB meeting will be held from 6:30 to 8:30 p.m., Wednesday, May 31, 2006, at Irvine City Hall, One Civic Center Plaza, Irvine. The next RAB Subcommittee meeting will also be held on May 31st from 5:00 to 6:00, in Room L-104, at Irvine City Hall.

Recent RAB Subcommittee Meetings

The most recent RAB Subcommittee meeting was held January 25, 2006, in Room L-104, Irvine City Hall, before the RAB meeting.

RAB Meeting Adjournment – March 29, 2006 Meeting

The 80th meeting of the MCAS El Toro Restoration Advisory Board was adjourned at 9:08 p.m.

3/29/06 RAB Meeting Attendance:

<u>TOTAL PEOPLE IN ATTENDANCE</u>	<u>TOTAL PEOPLE ON SIGN-IN SHEET</u>	<u>TOTAL RAB MEMBERS PRESENT</u>	<u>TOTAL RAB AGENCY MEMBERS PRESENT</u>	<u>TOTAL RAB COMMUNITY MEMBERS PRESENT</u>	<u>TOTAL EXCUSED ABSENCES RAB MEMBERS</u>	<u>EXCUSED ABSENCES – AGENCY RAB/ COMMUNITY RAB</u>
27	13	8	5	3	1	1/0

RAB and Subcommittee Meeting and Public Meeting Dates (May 2006-July 2006)

RAB Members - The list below indicates which dates are currently reserved for RAB and RAB Subcommittee meetings at Irvine City Hall, Conference and Training Center, Room L-102, and Room L-104, respectively. Please note that dates on this list may also serve as combined RAB/public meetings or either stand-alone RAB or public meetings. (Note: the MCAS Tustin RAB is on a quarterly schedule and meeting will be held February, May, August, and November 2006.)

RAB and Subcommittee Meeting Dates (meeting space confirmed)	RAB Meeting Conference and Training Center (CTC) or Room L-102 6:30 – 9:00 p.m.	Subcommittee Meeting Room L-104 5:00 – 6:00 p.m.
Wed – May 31, 2006	Room L-102	Room L-104
Wed – July 26, 2006**	CTC	Room L-104

* possible public meeting date to present Proposed Plan

**possible public meeting date to present Proposed Plan; could serve as combined RAB/public meeting.

Materials/Handouts Available at the 3-29-06 RAB Meeting Include:

- *RAB Meeting Agenda/Public Notice –3/29/06 RAB Meeting – 80th Meeting.
- *Meeting Minutes from the 1/25/06 RAB Meeting – 79th Meeting.
- MCAS El Toro RAB Mission Statement and Operating Procedures.
- MCAS El Toro – Navy Team contact information.
- MCAS El Toro – BRAC Cleanup Team Members and Key Project Representatives and Administrative Record File and Information Repository Locations and Contacts.
- MCAS El Toro RAB – Member Roster, updated March 2006.
- MCAS El Toro RAB – Membership Application.
- MCAS El Toro RAB – Mailing List Coupon.
- MCAS El Toro RAB – Meeting Schedule.
- MCAS El Toro RAB – Environmental Websites
- +MCAS El Toro Fact Sheet – Sites 2 and 17 Closure of Inactive Landfills, September 2005.
- +MCAS El Toro Fact Sheet – Site 24 Groundwater Cleanup, June 2005.
- +MCAS El Toro Fact Sheet – Site 11 Soil Cleanup, June 2005.
- +MCAS El Toro Fact Sheet – Sites 18 and 24 Groundwater Cleanup, February 2006.
- Reuse – Redevelopment Information.
- Updated Environmental Program Summary.
- One-Page Glossary of Technical Terms.
- Department of Defense – Responsibility for Additional Environmental Cleanup after Transfer of Real Property, July 1997.
- Department of Defense – Perchlorate Work Group Packet.
- Department of Defense – Institutional Controls, Spring 1997.
- U.S. EPA Fact Sheet – A Citizen’s Guide to Natural Attenuation, October 1996.
- U.S. EPA Fact Sheet – Perchlorate Update, March 2002.
- U.S. EPA Fact Sheet – Superfund Sites: Five-year Review, June 2001.
- *Presentation* – Anomaly Area 3 Remedial Investigation/Feasibility Study Update.

* Mailed to all RAB meeting mailer recipients on 3/21/06.

+ All recent fact sheets published by the Navy are made available at every RAB meeting. After fact sheets are printed and mailed to the public, copies are made available for viewing at the Information Repository located at Heritage Regional Park Library in Irvine..

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

- U.S. Environmental Protection Agency (U.S. EPA) – Draft Final Remedial Action Report, IRP Site 11, Former Marine Corps Air Station El Toro – To: Mr. Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated February 3, 2006).
- U.S. EPA – Draft Final Record of Decision, Operable Unit 2A, IRP Site 24 – VOC Source Area Vadose Zone, Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated February 9, 2006).
- U.S. EPA – Federal Facility Agreement (FFA) Appendix A Schedule and Extension Request for IRP Sites 1, 2, 3, 5, 8 and 12 and Anomaly Area 3, Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 2, 2006).
- U.S. EPA – Draft Final Proposed Plan for IRP Sites 8 and 12, Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 13, 2006).
- U.S. EPA – Final Explanation of Significant Differences, Site 18 – Regional Volatile Organic Compound Groundwater Plume (Operable Unit 1) and Site 24 – Volatile Organic Compound Source Area (Operable Unit 2A), Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 15, 2006).
- U.S. EPA – Final Record of Decision, Operable Unit 2A, Site 24 – VOC Source Area Vadose Zone, Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 16, 2006).
- U.S. EPA – National Priority List Boundary Clarification, Former Marine Corps Air Station El Toro – To: Mr. Gordon Hart at Paul, Hastings, Janofsky & Walker LLP; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 21, 2006).

- U.S. EPA – Draft Remedial Investigation/Feasibility Study Report, Operable Unit 2C –Anomaly Area 3, Former Marine Corps Air Station El Toro – To: Darren Newton, BEC, MCAS El Toro; From: Rich Muza, Remedial Project Manager, U.S. EPA (letter dated March 21, 2006).

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

- No Items Submitted

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

- No Items Submitted

Additional Information Submitted – 3-29-06 RAB Meeting

- Irvine Ranch Water District, Irvine Desalter Project Update Memorandum, March 29, 2006.

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) 936-4040. Library hours are Monday through Thursday, 10 a.m. to 9 p.m.; Friday and Saturday, 10 a.m. to 5 p.m.; Sunday 12 p.m. to 5 p.m.

Internet Sites

Navy and Marine Corps Internet Access

BRAC PMO Web Site (includes RAB meeting minutes):

Primary Navy web site: <http://www.navybracpmo.org>

Secondary Navy web site: <http://www.efds.w.navy.mil/environmental/ElToro.htm>

Department of Defense – Environmental Cleanup Home Page Web Site:

<http://www.dtic.mil/envirodod/>

U.S. EPA:

www.epa.gov (this is the homepage)

www.epa.gov/superfund (site for Superfund)

www.epa.gov/ncea (site for National Center for Environmental Assessment)

www.epa.gov/federalregister (site for Federal Register Environmental Documents)

www.epa.gov/fedrgstr/EPA-IMPACT/2004/April/Day-27/i9203.htm (site for Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Riverside fairy shrimp)

Cal/EPA:

www.calepa.ca.gov (this is the homepage)

www.dtsc.ca.gov (site for Department of Toxic Substances Control)

www.swrcb.ca.gov/ (site for Santa Ana Regional Water Quality Control Board)