

Restoration Advisory Board (RAB) Meeting

Former Naval Station Roosevelt Roads
Ceiba, Puerto Rico

September 9, 2008



Tonight's Agenda

Welcome and Introductions David Criswell, Navy - Deputy Base Closure Manager
Action items from last RAB meeting David Criswell
What's new! David Criswell

Break (7:00 – 7:10 pm)

Upcoming remediation activities Mark Kimes, Baker Environmental
Recent sampling event Mark Kimes
Other public comments and questions RAB members and visitors
Planning Next Meeting and Closing Susana Struve, Facilitator



Action Items from last meeting

Action Item	Status
Boats beached at the mud flats (near the housing area) after Hurricane Hugo, 20 years ago	No evidence of spills or contamination from that event. The boats were salvaged and removed.
Update on the Hospital application and benefit to the local community	Discussed at Local Reuse Authority (LRA) meeting in July.
LRA to meet with RAB members to discuss Portal del Futuro land use	Meeting held in July, will be summarized tonight.



Action items (continued)

Action Item	Status
Drone activities that were conducted at Cabra Island	Ongoing, will be discussed tonight
Information about excavation of historic artifacts on the base	Ongoing, will be discussed tonight



Summary of RAB/LRA Meeting 30 July 2008

David Criswell

September 9, 2008



RAB/LRA MEETING

- **Attendees:**

- Mr. Calimano, Port Authority
- Mr. Martin, Servicios de Salud Episcopales, Inc.
- Mr. Antonio Colorado, Portal del Futuro
- Mr. Ramon Figueroa, RAB Community Co-chair
- Mr. Jorge Fernández Porto, RAB Member (and advisor to Senator Lourdes Santiago)
- Mr. David Criswell, RAB Navy Co-chair
- Mr. Molzan, Navy Base Closure Manager

- **Presentations by Ramón Figueroa, Jorge Fernández, and Antonio Colorado**

- **Responses to questions by Mr.'s Calimano, Martin, Criswell and Molzan**



Summary of Discussions

- Port Authority is in serious negotiations for contracts to provide jobs for Ceiba residents.
- Servicios de Salud Episcopales will create more than 200 jobs at the Hospital, as well as medical education.
- LRA updated plans for the Zoning Plan, including protection of the maritime/terrestrial boundary.
- LRA reviewed the process that was followed to develop the Reuse Plan for Roosevelt Roads.
- Public expressed their concerns for the manner in which the Reuse Plan was developed.



Status: Sale Parcels

David Criswell

September 9, 2008



Sale Parcels I and III

- **All contaminated sites have been “carved out” of the sale property**
 - Finding of Suitability for Transfer (FOST) is now for clean property only
 - Only clean property will be sold
- **All sites ‘carved out’ will be leased to new owner(s) of Sale I and III property**
 - Finding of Suitability to Lease (FOSL) – EPA has approved
 - Includes restrictions as needed to protect human health and to allow the cleanup to continue
- **Navy will continue cleanup on FOSL property**
- **Online Auction early in 2009**



Sale Parcel II - Housing

- **Finding of Suitability for Transfer (FOST)**
 - Reviewed by EPA and Puerto Rico EQB
 - All property is clean
- **Online auction early in 2009**



What's New?

David Criswell
September 9, 2008



What's New?

- **Archeological Excavations**
- **Covenant Deferral Request**
- **Airfield Cleanup**
- **Cabras Island**



Archeological Excavations

- **Several sites of cultural significance were found**
- **Memorandum of Agreement between Navy and Puerto Rico's State Historic Preservation Officer (SHPO)**
 - Follows Federal Law (48 FR 44 738-9)
 - Four sites require recovery of artifacts, to protect them and to allow historic research
- **Search, Inc. of Gainesville, FL conducted the excavations**
 - Consulting with Puerto Rican historians and National Park Service
 - Local historians involved are from Puerto Rico Universities



Archeological Artifacts

- **Artifacts are being housed and studied at Search, Inc.'s facility in Gainesville**
- **Artifacts will be returned to Puerto Rico**
 - Puerto Rico SHPO and DNER will determine the final location of artifacts in the future
- **LRA Zoning Plan and Commonwealth Law will ensure future protection of unknown archeological sites and artifacts**



Covenant Deferral Request

- **Was signed by Governor for the Maritime Port Parcel**
- **Allows the transfer of Port Parcel to Port Authority – including 4 contamination sites**
 - *Tow Way Fuel Farm (SWMU 7/8)*
 - *TCE Plume (SWMU 55)*
 - *Fuel Pipelines and Hydrant Pits (SWMU 74)*
 - *Building 803 (SWMU 75)*
- **Navy will continue cleanup of these sites**
- **No impact to cleanup schedules**



Airfield Transfer

- **Transferred to Port Authority in February 2008**
- **Navy will continue cleanup of sites**
- **Dedicated fixed-price contract to complete all cleanup at Airfield**
- **Cleanup contract awarded to Right Way Environmental Contractors of Naranjito, PR**



Additional Cleanup Actions

- **SWMU 7/8 – Tow Way Fuel Farm**
 - EPA Approved Statement of Basis – Jan. 2007
 - *Describes selected cleanup action*
 - Remove arsenic-contaminated soil
 - Clean up fuel in groundwater
- **SWMUs 54 and 55 – TCE Plumes**
 - Implement pilot scale cleanup actions
 - Begin monitored natural attenuation
- **Cleanup contract awarded to AGVIQ/CH2M-Hill**



Cabras Island

- **Drone Launch Facility**
 - Drones used during training exercises at former Vieques Naval Training Range
- **Owned by US Coast Guard**
- **Environmental Condition of Property study ongoing**
 - Samples in Drone Launch Area
 - Review Operations History
- **Transfer buildings and facilities to US Coast Guard**



Upcoming Remediation Activities

Mark Kimes
September 9, 2008



Sites at the Airfield

- **Fire training pit area (SWMU 14)**
 - Surface soil (to 1 foot below ground surface) will be excavated
- **Hangar 200 Apron (SWMU 56)**
 - Surface soil and subsurface soil (to 3 foot below ground surface) will be excavated
- **Former Southern Fire Training Area and Aircraft Parking Area (SWMUs 68 and 69)**
 - Surface soil will be excavated
- **Soils at these sites are contaminated with metals**
 - After excavation, contaminated soil will be disposed of in a licensed off-site facility



Sites at the Ports

- **Tow Way Fuel Farm and Disposal Pits (SWMUs 7 and 8)**
 - Soils contaminated with polyaromatic hydrocarbons (PAH) and arsenic will be removed by excavation
 - Free product will be removed from the groundwater by a skimming system
 - Contamination in the groundwater will be naturally attenuated, with periodic groundwater sampling and monitoring
 - After 2 years of remediation, an Engineering Evaluation Report will be developed



Sites at the Ports *(continued)*

- **TCE Plume near Tow Way Fuel Farm (SWMU 55)**
 - Conduct a pilot study injecting sodium permanganate into the groundwater to remediate the plume of TCE in groundwater
- **Former Navy Exchange Repair/Maintenance Shop (SWMU 54)**
 - Conduct a pilot study injecting oxygen release compound into the groundwater to remediate the plume of benzene in groundwater
 - TCE contamination in the groundwater will be naturally attenuated and monitored through periodic groundwater sampling and monitoring



Recent Sampling Event

Mark Kimes
September 9, 2008



Recent Sampling Event

- **Began on April 27**
- **Ended on June 13, 2008**
- **Field work for 7 SWMUs followed the work plans approved by EPA**



Sites Included

- **Corrective Measures Study:**
 - Hangar 200 Apron (SWMU 56)
 - Former Bundy Area Maintenance Facilities (SWMU 61)
 - Aircraft Parking Area (SWMU 69)
 - Fuel Pipelines and Hydrant Pits (SWMU 74)
- **Phase I RCRA Facility Investigations:**
 - Former Bundy Disposal Area (SWMU 62)
 - Quarry Disposal Site (SWMU 71)
 - Pole Yard (SWMU 78)



Photos of ...



SWMU 61 – JFA Drillers installing a groundwater monitoring well



SWMU 74 – Multiple Drill Rigs collecting subsurface soil samples



Photos of ...



SWMU 62 – JFA Drillers collecting subsurface soil samples



SWMU 78 – Baker Geologist collecting subsurface soil samples



Photos of ...



SWMU 69 – Groundwater monitoring well installed along the aircraft parking area apron



SWMU 56 – GeoEnviroTech drillers installing a groundwater monitoring well



Photos of ...



SWMU 71 – GeoEnviroTech drillers installing a groundwater monitoring well



Storage Room showing sampling supplies and coolers to hold samples



Other public comments and questions?



Closing: next RAB meeting

- **Next RAB meeting early December?**
 - At Club Cívico La Seyba, if available
 - Please remember to call ahead, or send an alternate, if you cannot attend
- **Agenda suggestions for next time?**
 - Call Ramón Figueroa, RAB Community Co-Chair (787-235-1473)
- **Thank you for participating!**



Questions between meetings

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