

Restoration Advisory Board (RAB) Meeting

Former Naval Station Roosevelt Roads
Ceiba, Puerto Rico

August 7, 2007



Tonight's Agenda

Welcome and Introductions

Mark Davidson, Navy Co-Chair

Action Items from June Meeting

Mark Davidson

RAB Members' Topics

Mark Davidson

- Environmental Restoration (Fuel Spill)
- Utilities and Residual Contamination
- Piñeros Island
- Role of State Agencies in Cleanup

What's New

Jeff Meyers, Navy

- Status of Covenant Deferral Request
- Findings of Suitability to Transfer

Break (7:10 – 7:20 pm)

RCRA Process

Timothy Gordon, EPA

RAB Charter

Susana Struve, CH2M HILL

Other Public Comments/Questions

RAB Members and Visitors

Planning Next Meeting/Closing

Susana Struve



Action Items from Last Meeting

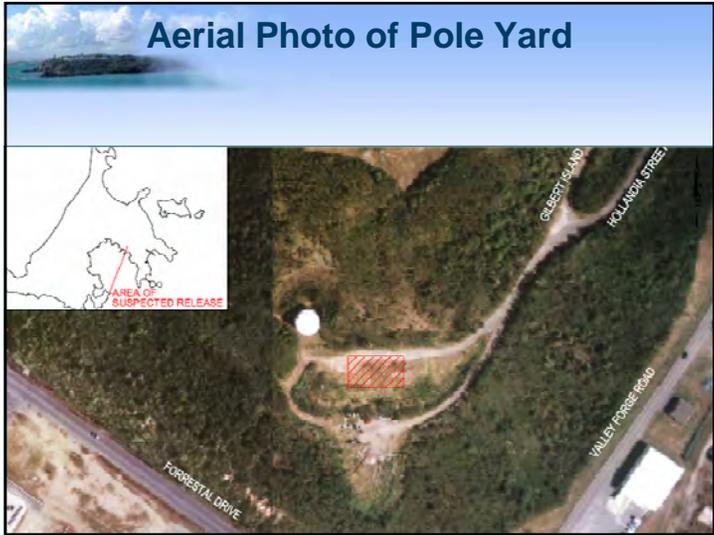
Action Item	Status
Navy: Provide a list of upcoming documents for the RAB members to identify where they would like technical assistance.	<i>New</i>
Navy: Provide information about Area 46C, where RAB Member Ismael Velásquez believes that transformers contaminated the soil with PCBs.	<i>Ongoing</i>
Navy and RAB Members: Develop and sign the Roosevelt Roads RAB Charter.	<i>Ongoing</i>

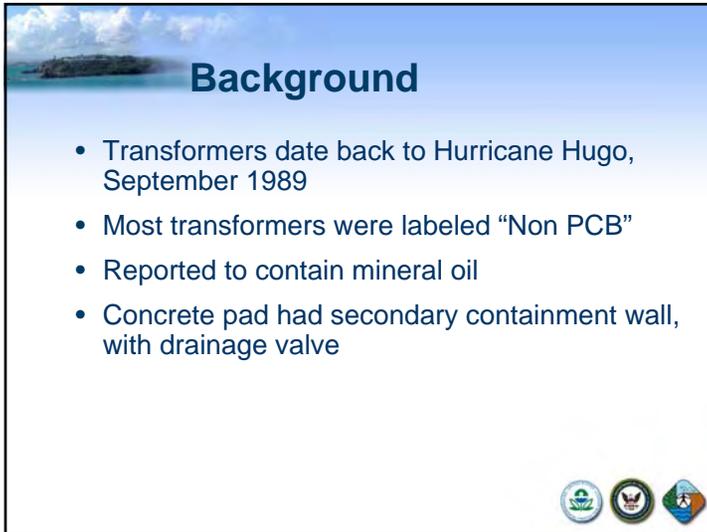


Pole Yard Transformer Site

Site identified by Ismael Velasquez during June 2007 RAB Meeting

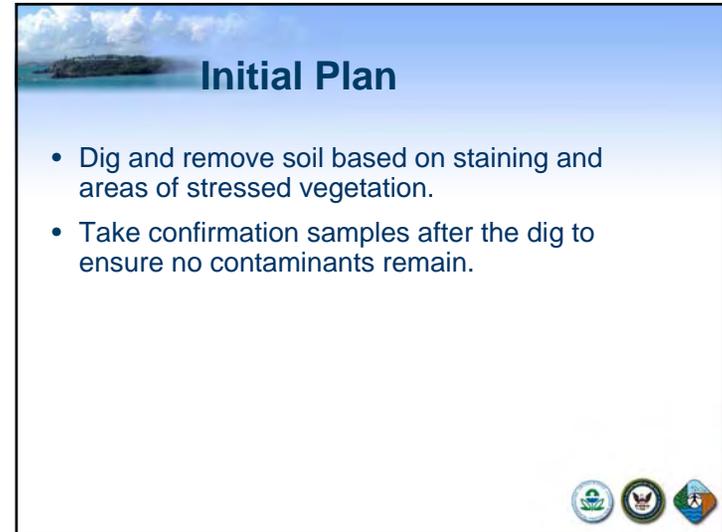






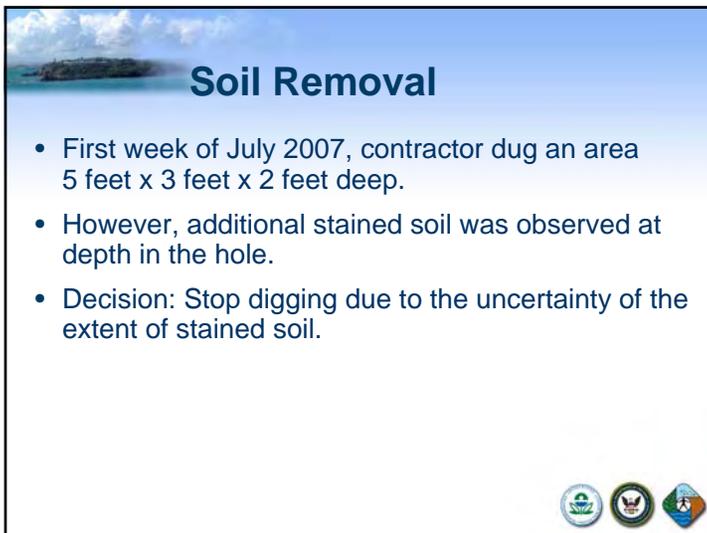
Background

- Transformers date back to Hurricane Hugo, September 1989
- Most transformers were labeled “Non PCB”
- Reported to contain mineral oil
- Concrete pad had secondary containment wall, with drainage valve



Initial Plan

- Dig and remove soil based on staining and areas of stressed vegetation.
- Take confirmation samples after the dig to ensure no contaminants remain.



Soil Removal

- First week of July 2007, contractor dug an area 5 feet x 3 feet x 2 feet deep.
- However, additional stained soil was observed at depth in the hole.
- Decision: Stop digging due to the uncertainty of the extent of stained soil.





Revised Approach

- Conduct field investigation (sampling and analysis) to delineate the nature and extent of stained soil and stressed vegetation
- Based on the results of the investigation, further action will be determined



RAB Members' Topics

Mark Davidson, Navy Co-Chair

August 7, 2007



Airport Fuel Spill

- Fuel Spill from Tank No. 429 at the NSRR Airfield on October 19, 1999
- Response taken immediately upon notice of fuel spill
- Sampling was conducted in December 1999 to determine extent of fuel spill



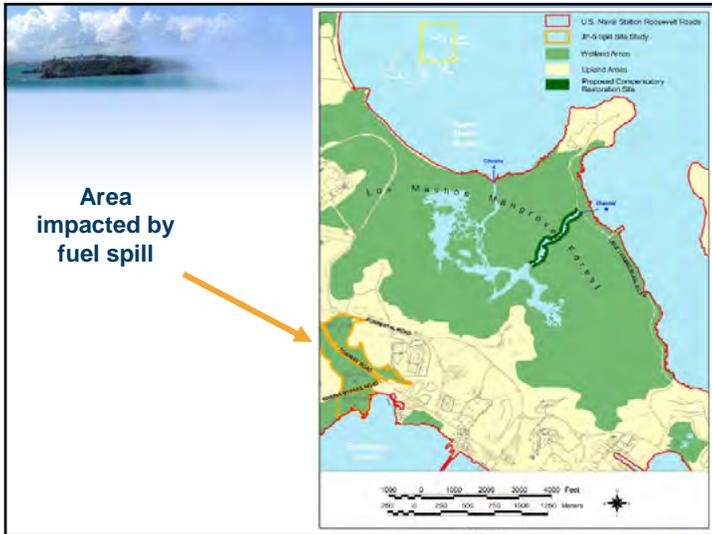


Photo 1:
Dike at Forrestal/Langley Drive



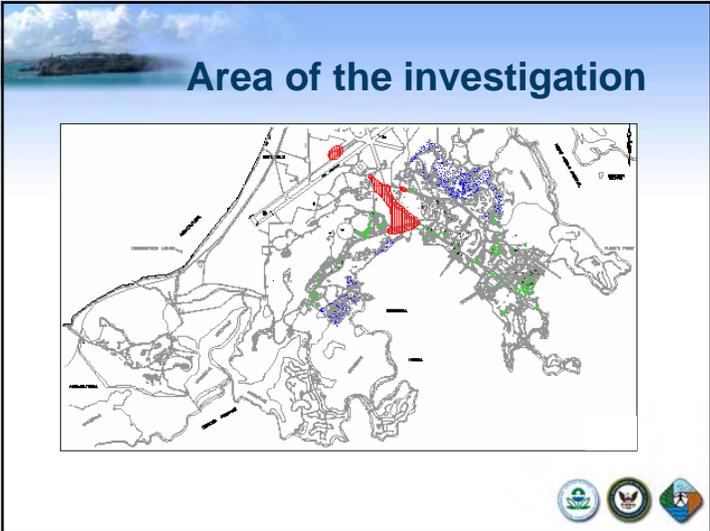
Photo 2:
Dead grass along the ditch



Photo 3:
Piping at Marina Bypass



Photo 4:
Skimmer





Environmental Restoration Measures

- **Compensatory restoration project in the Los Machos mangroves**
 - Compensate by restoring another natural area, of equal or greater environmental value than the affected area (before the spill)
 - Restoration area shown on next slide
- **Project included bridge replacement at channel crossings on Lake Chamberlain Road**




Compensatory Restoration Project Area




Environmental Restoration Measures, continued

- **Restoration of the hydrology to 1,000 acres of the Los Machos Mangrove Forest, by**
 - Removing the access road
 - Replacing it with a 75-ft channel and bridge, and
 - Reconnecting the original drainage patterns by dredging






NAPR Utilities

- **Utilities at NAPR have been investigated/evaluated during their lifetime.**
 - Phase I and Phase II Inflow/Infiltration Study of the Basewide Sanitary Sewer System
 - *Corrective measures including pipeline replacement, manhole repairs, etc... were performed as a result of this study.*
 - Monitoring of regulated stormwater outfalls
 - *Attached image shows drainage boundary associated with regulated Outfall 015.*

Mothballing fuel tanks and piping

- **27 Defense Energy Support Center (DESC) tanks were emptied, cleaned, degassed, capped and deactivated as of July 15, 2005.**
 - aboveground storage tanks (ASTs)
 - cut and cover tanks (tanks covered by soil)
- **All interconnecting piping serving the tanks were drained and excess fuel was removed by mechanical pigging.**
 - Pigging: cleaning out the pipes by pushing a plug through, to remove any remaining fuel that was not drained by gravity.



Fuel Pipelines and Hydrant Pits (SWMU 74)

- A CMS Investigation is proposed for the fuel lines, hydrants, and valve pits at NAPR (next slide)
- **Phase I CMS Investigation:**
 - Investigate approximately 40,000 feet of pipeline, sampling every 100 ft for approximately 400 soil borings
 - Sample another 54 soil borings at the 27 valve pit locations
 - Sample groundwater at areas of suspected contamination and approximately one out of every ten soil boring locations
- **Phase II CMS Investigation:**
 - Delineate any contamination identified during Phase I



Piñeros Island Update

- **Sept 15, 2007: Submit documents**
 - Explosive Safety Submission (ESS) to Naval Ordnance Safety and Security Activity (NOSSA)
 - Fieldwork Workplan to BRAC Cleanup Team and other regulators for review
 - National Marine Fisheries Service
 - U.S. Fish and Wildlife Services
- **January 15, 2007: Conduct fieldwork**
 - After turtle nesting season, because there will be digging along the four beaches.



Role of State Agencies in Cleanup

- **EQB is a member of the BRAC Cleanup Team (BCT)**
 - Reviews and comments on documents
 - *Piñeros Munitions and Explosives of Concern (MEC) investigation*
 - *Community Environmental Response Facilitation Act (CERFA) Clean*
 - *Findings of Suitability to Transfer (FOSTs)*
 - *Covenant Deferral Request (CDR)*
 - *Other select RCRA documents*
 - *RCRA 7003 Order on Consent*
 - Provides input/guidance on environmental issues



Role of State Agencies in Cleanup, continued

- **PR Dept. of Natural Resources (PRDNR)**
 - Provides input on the Piñeros Island approach
- **NOTE: Primary oversight of the RCRA corrective action program is EPA**



What's New!

Jeff Meyers, Navy

August 7, 2007



What's New

- **Hospital Finding of Suitability for Transfer (FOST)**
- **Conservation FOST**
- **Covenant Deferral Request**
- **Roosey-roads.com**





Hospital/Conservation FOSTs

- **Conservation FOST signed**
 - Navy will assign properties to U.S. Department of Interior (DOI) in 4 to 6 weeks
 - DOI will issue quitclaim deed to Puerto Rico Department of Natural and Environmental Resources



Hospital/Conservation FOSTs, continued

- **Hospital FOST signed**
 - Waiting on Certificate of Need from applicant to U.S. Department of Health and Human Services (DHHS)
 - Navy will assign property to DHHS after Public Benefit Conveyance application is approved
 - DHHS will then issue quitclaim deed to Servicios de Salud Episcopales, Inc. Hospital



Covenant Deferral Request

- **Navy signed CDR on July 17, 2007**
- **Will send to Governor in the next week**
- **CDR includes “Responsiveness Summary” - responses to all public comments**
- **Navy currently translating Responsiveness Summary**



ROOSEY-ROADS.COM

- **Navy-operated website**
- **Used to market the 3 sale parcels**
- **Includes information for potential bidders to evaluate status and cost for environmental sites**



Overview of the RCRA Process

Timothy Gordon
U.S. Environmental Protection Agency

August 7, 2007



RCRA CORRECTIVE ACTION STAGES

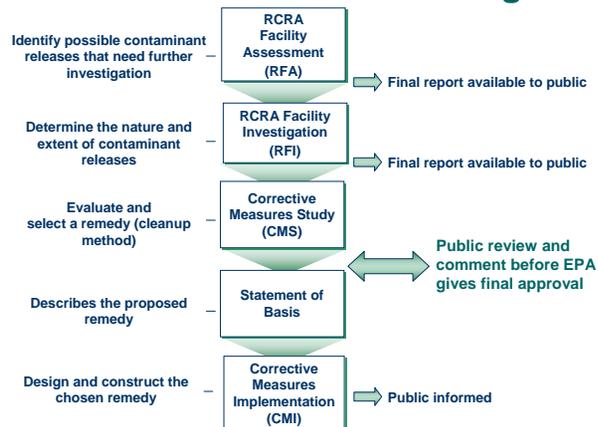
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RCRA Corrective Action Stages



RCRA Facility Assessment (RFA)

- Identifies the solid waste management units (SWMUs) and areas of possible contamination not directly linked to a SWMU, i.e., areas of concern (AOCs)
 - Includes a "file review" and a "visual site inspection" (VSI) to identify suspected areas of past and/or current waste management (solid and/or hazardous) and/or contamination;
 - Also, includes an evaluation (based on the nature and design of the waste management unit or units and/or visual evidence) of whether or not a release of hazardous waste or constituents is suspected to have occurred from the unit or units.
- Based on the results of the RFA, a determination is made that either:
 - There is no indication of releases of solid or hazardous waste or hazardous constituents, or
 - A RCRA Facility Investigation is required to confirm whether or not a releases of solid or hazardous waste or hazardous constituents has occurred, and if a release is indicated, to fully characterize the nature and extent of that release.

RCRA Facility Investigation (RFI)

The investigation stage

- Two Types of RFI
 - Phase I RFI (a/k/a “release assessment”)
 - Confirm through environmental sampling whether or not releases of hazardous waste and hazardous constituents are present from units identified in the RFA
 - Determine whether or not a full RFI is required.
 - Full RFI
 - Purpose is to fully characterize the nature and extent of any releases of hazardous waste and hazardous constituents.

RCRA Facility Investigation (RFI)

continued

- Based on the RFI, a determination is made that either:
 - No significant release is confirmed, and a Corrective Action Complete determination can be made at that point, or
 - A Corrective Measures Study (CMS) is required.
- The RFI Final Report is generally not made available for public review before being approved by EPA
 - Unless a Corrective Action Complete final determination is made, based on the RFI report.

Corrective Measures Study (CMS)

- Evaluate corrective measure alternatives, and select the final corrective measure
 - Measures that could be used to address any releases determined, based on the results of the RFI, to represent potentially an unacceptable threat to human health and/or the environment
- Based on the results of the CMS Final Report, EPA conditionally selects the final corrective measure that will be protective of human health and the environment.

Corrective Measures Study (CMS)

continued

- A Statement of Basis may be prepared, summarizing the basis for selecting the final corrective measure.
- The Statement of Basis and CMS Final Report are made available for public review before being officially approved by EPA.

Corrective Measures Implementation (CMI) Plan

- Detailed design, construction, and operation plan
 - for implementing, maintaining, and monitoring the corrective measure selected during the CMS and Statement of Basis stage
- Generally not made available for public review, if the CMS and Statement of Basis have undergone public review.

CORRECTIVE ACTION COMPLETE DETERMINATION

- Corrective Action Complete means a determination has been made that either:
 - No clean-up/remedial measures are required for the unit or units; or
 - The unit or units has/have been acceptably cleaned up to protect human health and the environment.
 - Such a determination is made pursuant to the EPA guidance given in "Guidance on Completion of Corrective Action Activities at RCRA Facilities" (*Federal Register* Volume 68, No. 37, 2/25/03)

CORRECTIVE ACTION COMPLETE

- Two types of Completion Determinations are recognized:
 - a) Corrective Action Complete without Controls
 - b) Corrective Action Complete with Controls
- Corrective Action Complete without Controls:
 - Allows future unrestricted site usage, such as for residential housing or schools

CORRECTIVE ACTION COMPLETE with CONTROLS

- May include requirements such as Institutional or Land Use Controls, which may:
 - Prohibit the future usage of the property for certain types of activities (such as housing or schools);
 - Restrict groundwater or surface water usage, restrict excavation activities, and/or
 - Require periodic monitoring of air, soil, groundwater, surface water or subsurface gas, as necessary to protect human health and the environment, when site-specific circumstances indicate

Presenter

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RAB Charter

Susana Struve, Facilitator

August 7, 2007



RAB Charter

- **A charter signed by members sets up:**
 - Policies on attendance
 - Procedures for replacing, adding, or removing members
 - Length of service for Community Co-Chair
 - Methods of resolving disputes
 - Process for incorporating public input



RAB Charter

- The Navy provided the RAB with several sample charters from other installations
- RAB members submitted to the Navy a draft charter for NAPR
- The Navy submitted a revised draft charter to RAB members
- A conference call will be scheduled (RAB and Navy) to finalize the charter and develop the NAPR RAB mission statement



Questions? Comments?




Closing: Action Items

New Action Item	Person (s) Responsible



Closing

- **RAB meetings every other month**
 - Next meeting mid-October
 - *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, Community Co-Chair (787-235-1473)
- **Thank you for participating!**



Questions between meetings

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