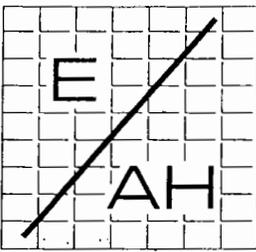


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MEETING MINUTES FROM RESTORATION ADVISORY BOARD MEETING DATED 11
MARCH 1997 WITH TRANSMITTAL CNC CHARLESTON SC
3/20/1997
ENSAFE/ ALLEN AND HOSHALL



EnSafe / Allen & Hoshall

a joint venture for professional services

March 20, 1997

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Naval Base Charleston
Caretaker Site Office
Attn: Daryle Fontenot
2155 Eagle Drive
N. Charleston, SC 29418

Subject: Restoration Advisory Board Meeting Minutes (3/11/97)
Community Relations Subcommittee Meeting Minutes (3/11/97)
Earth Day Flyer
April 8, 1997 RAB Meeting Flyer and Press Release
(CLEAN Contract #N62467-89-D-0318 CTO# 2900)

Dear Mr. Fontenot:

Please find enclosed a copy of the March 11, 1997 Restoration Advisory Board meeting minutes with all applicable attachments. Also enclosed are the original sign-in sheets, the audio tape of the meeting, and a diskette version with the file saved in WordPerfect 5.1, 7.0, and Microsoft Word for Windows 6.0. The diskette has been scanned for viruses and none were detected.

Also enclosed in this package is a copy of the Community Relations Subcommittee minutes for the March 11th meeting, the Earth Day flyer, and a news release and flyer announcing the April 8, 1997 meeting.

If you have any questions regarding the enclosed material, feel free to call me at (919) 851-1886.

Sincerely,

EnSafe/Allen&Hoshall

By:

Diane Cutler

Enclosures

cc: Jim Beltz, NAVFAC- SouthDiv
Todd Haverkost, E/A&H
Contracts File

NAVAL BASE CHARLESTON
RESTORATION ADVISORY BOARD (RAB)
Minutes of 11 March 1997

LIVE OAK COMMUNITY CENTER, 2012 SUCCESS ST., N. CHARLESTON

1. Introduction of the RAB Members and Guests

Ms. Wannetta Mallette, Community Co-chair, opened the meeting at 6:00 p.m. and asked that both RAB members and guests introduce themselves.

2. RAB Members Attending

Mr. Oliver Addison	Ms. Wannetta Mallette
Mr. Jay Bassett	Mr. Lou Mintz
Mr. James Conner	Mr. Odell Price
Mr. Daryle Fontenot	Mr. Arthur Pinckney
Mr. Tom Fressilli	Ms. Ann Ragan
Mr. Wilburn Gilliard	LDCR Paul Rose
Mr. Donald Harbert	Ms. Priscilla Wendt
Ms. Jeri Johnson	

3. Guests Attending

Mr. Tony Hunt	NAVFAC, SouthDiv
Mr. Brian Stockmaster	NAVFAC, SouthDiv
Mr. Gabriel Magwood	NAVFAC, SouthDiv
Mr. Paul M. Bergstrand	SCDHEC
Mr. Johnny Tapia	SCDHEC
Ms. June Mirecki	College of Charleston
Mr. J. Michael Reubish	CEERD
Mr. Frank Smith	SCFCU
Ms. Myrtle Barnett	Community Member
Mr. Leroy Carr	Chicora-Cherokee
Ms. Susan Dunn	Grassroots Coalition
Ms. Rosemary Moore	Community Member
Robert and Isabelle Fennessy	Community Members
Ms. Genny Fender	Shalom
Mr. Dave Backus	EnSafe/Allen&Hoshall
Ms. Diane Cutler	EnSafe/Allen&Hoshall
Mr. Todd Haverkost	EnSafe/Allen&Hoshall
Ms. Sandy Reagan	EnSafe/Allen&Hoshall

4. Administrative Remarks and Comments on Minutes

Ms. Mallette asked for administrative remarks or comments on the minutes from the last meeting. No remarks or comments were made.

5. Subcommittee Reports

Shipyard Detachment Subcommittee

Mr. Arthur Pinckney said there were no activities to report this month but that there will hopefully be something to report next month. The Detachment is a group of former shipyard workers that is helping with the environmental cleanup at the Naval Base.

Finance Subcommittee

Mr. Lou Mintz reported that the Finance Subcommittee started out as an oversight committee, but couldn't get enough information.

Community Relations Subcommittee

The Community Relations Subcommittee met prior to the RAB meeting. The subcommittee worked on a fact sheet about the RCRA Facility Investigation (RFI) results for Zones A, B, C, and I which is similar to the one produced for Zone H. Comments were made on the draft and after comments are received from the Project Team, the final can be produced - hopefully by April.

Another topic that was discussed (topic G on the RAB Meeting Agenda) was doing something for Earth Day. Earth Day is April 22. What the subcommittee wants to do is emphasize what the Navy is doing at the Base as far as cleanup is concerned. As a result, the subcommittee will produce a flyer that emphasizes Earth Day and lets people know that the Navy has people that can come and speak to them about the RAB and the environmental cleanup. The flyer will also offer the opportunity to take tours of some of the sites on base. The flyer will be sent to RAB members, Chamber of Commerce, Sierra Club, and area schools. Diane Cutler, a Community Relations Specialist with EnSafe/Allen&Hoshall, is working with the subcommittee and spearheading the effort.

Upcoming topics include creating a Web site for the RAB and additional fact sheets.

The Community Relations Subcommittee will be meeting again next month on April 8 from 3:30 - 4:30 at the Caretaker Site Office on base.

6. Reuse Update

Ms. Mallette announced that the Redevelopment Authority's (RDA) reuse update will be presented at every other meeting in order to be able to accommodate the entire agenda within the allotted hour. So, unless there is any late-breaking news, the reuse update will be presented next month. Ms. Jeri Johnson reported that there is no late breaking news.

Mr. Pinckney asked if the RDA is still operating with a full board? Ms. Johnson said yes, there are seven members. Three of the seven had two year terms and those terms will expire at the end of April. The governor is currently working on replacement candidates, but Ms. Johnson has not heard who they are. The three that are leaving are Dr. Bell, Virgil Johnson, and Allen Metz.

7. Environmental Cleanup Progress Report

Project Status

Underground Storage Tank Program: The Detachment is doing all the Navy's tank removals and to date has removed over 90 tanks.

Asbestos: Building 32 remediation is in progress.

Chicora Tank Farm: The Navy is currently waiting on a reuse response from the City of North Charleston and is in the process of getting additional information to the city and the RDA concerning the tank farm demolition.

Ms. Mallette asked what additional information the Navy is preparing for the city. Mr. Fontenot responded that the RDA asked the Navy to provide a written plan on how they will approach the demolition, and to provide verification that South Carolina Department of Environmental Control (DHEC) has bought off and approved the Navy's method of demolition. The Public Safety Committee has approved the partial demolition of the tanks and the plan is needed to present to the full council so they can determine if the City Council will accept the property for a public conveyance.

Mr. Mintz asked if partial demolition will bring all the tanks down to ground level. Mr. Fontenot answered yes, as level as it can get considering drainage. Mr. Mintz asked if it will be able to be used as a marching field. Mr. Fontenot again replied yes, but that it will need some additional work.

Mr. Mintz made a reference to "pollution" under the ground. Mr. Fontenot reminded Mr. Mintz that the issue here is demolition of the tanks. As far as contamination of soil and groundwater, environmental investigations have been completed and a report has been submitted and approved by DHEC which states that no further action is necessary at Chicora Tank Farm. There is not a contamination problem at the tank farm for soil and water - the Navy is only concerned with how to demolish the tanks.

Mr. Mintz agreed with Mr. Fontenot's statement about no contamination in soil or groundwater, but continued that he is concerned with potential contamination of the tanks themselves. Mr. Fontenot responded that when the demolition process begins, potential contamination of the tanks will be addressed and appropriate measures will be taken. Mr. Mintz speculated the tanks are polluted. Mr. Fontenot reported that he does not have an indication about the state of the tanks, and will not know until the demolition process begins.

Mr. Mintz questioned if the City of North Charleston or the Board of Education will have "problems" with the site. Mr. Fontenot responded that the Navy does not see where there will be a problem with contamination by partially demolishing the tanks on site.

Mr. Mintz wanted it in the record that he thinks the tanks are polluted and hazardous.

Mr. Pinckney asked about the Reuse Plan for the tanks. Mr. Fontenot clarified that the Navy is waiting on a Reuse *Response* to determine if someone is willing to reuse the property with partial demolition of the tanks. That's why additional information is being provided - so they can tell the Navy if they are willing to accept a public benefit conveyance with partial demolition of the tanks. Mr. Pinckney continued by asking if the Navy has received any official word from North Charleston. No official word has been received yet.

Ms. Johnson reported that the RDA has officially stated that they would like the Navy to put the verbal proposal they presented in December (to partially demolish the tanks) in writing, and also include DHEC's commitment that the demolition is an approved procedure. The RDA will take that written response to the City of North Charleston and allow them to present it to the full council. The Public Safety Committee has approved the concept, but needs a full council approval. Once the document is received, that should be all that is necessary for the city to make a final vote on whether or not they will be willing to accept the proposal.

Mr. Mintz referenced a newspaper article that stated that Mayor Keith Summey did not want the property for a playground because they did not have the money to support it, so they in turn offered it to the Board of Education. The Board of Education did not want the property either.

Mr. Pinckney wanted to revisit the RAB's initial discussion about demolition options. His recollection was that the RAB members wanted the tanks totally removed, but they only compromised for partial demolition because the Navy said they wouldn't pay for total demolition. Ms. Ragan added that she recalls the RAB agreed to and was supportive of partial demolition due in part to the cost of total removal. Mr. Mintz agreed with Ms. Ragan's recollection. Mr. Odell Price said he remembers the Navy bringing up the cost, but did not recall them saying that they would not perform total demolition. He said the RAB reached consensus that they wanted partial demolition because the cost for total removal was prohibitive. Mr. Oliver Addison remembered that they reached consensus after they were told that total removal would not be done.

Someone else added that leaving the tanks in place was also one of the DHEC-approved options. Mr. Tom Fressilli added that the reason the Navy is waiting to hear if there is a user before demolishing the tanks according to the RAB's preference is because if there is no user, there is no reason for the Navy to spend the additional money and time.

Mr. Jim Conner asked how the Mayor of North Charleston can give away the tank farm which he doesn't even own. Ms. Johnson answered that he can't give it away, but what he can do is request a no cost public benefit transfer from the Navy to the City which is essentially a gift. Mr. Conner continued that he does not believe the Navy should relinquish the land, because if any future cleanup is required, the entity that "owns" the land will be responsible for cleaning it up. **Again, Mr. Fontenot stated that the concern at Chicora Tank Farm is demolition of the tanks, not cleanup. There is no cleanup involved. Environmental investigations have already been conducted and it has been determined that no action is required regarding cleanup of soil or groundwater.** Mr. Conner asked if oil is still in the tanks and if that will be cleaned up. Mr. Fontenot replied that any oil remaining in the tanks will be cleaned up during the demolition

process - that this is standard operating procedure. The Navy will use standard industry practices when demolishing the tanks.

Mr. Conner continued by asking about the smell of oil that residents reported near the tank farm. Mr. Fontenot said that every indication of the odor points to a tank trucking firm located across the street from the Chicora Tank Farm.

Mr. Pinckney asked if the transfer of the tank farm will also include all the pipes and the entire system. Mr. Fontenot specified that the transfer will only include the fenced-in 23 acres, but the closure will address the tanks, the pipes, and the entire tank system.

RCRA Corrective Action

Mr. Tony Hunt provide the RCRA update. Funding for Zone J, which is the water bodies (Cooper River, Noisette Creek, Shipyard Creek) has been awarded so EnSafe/Allen & Hoshall will begin field work in that Zone later this month. Zone L field work is expected to be awarded this week.

Progress for February: The Zone D RFI report was submitted to the state. The 90% progress meeting for Zones F, G, and K was held in February. Sampling results were reviewed, and determinations were made whether additional samples needed to be taken. As a result, additional screening and sampling is ongoing. The field work in Zone E, which is the Shipyard, is complete so report generation will now begin.

Solid Waste Management Unit (SWMU) 39: SWMU 39 is in the northern area of the base. Sampling results from the wells that were installed off-base have been submitted. As a review, two wells were installed off-base near O'Heare Avenue to investigate chlorinated solvents that might be migrating off-base. Nothing was found in the deep well, but acetone was found in the shallow well at low concentrations. Acetone wasn't one of the volatile organic compounds (VOCs) the Navy was looking for, and the acetone may have been a laboratory contaminant or from a landfill.

Two other wells that were installed were right at the Virginia Avenue gate, again, one shallow and one deep. In those wells the Navy was looking for VOCs and semi-volatile organic compounds (SVOCs) which are often components of fuel products, and metals. At these well, there were no chlorinated compounds found, but they did find some of the dissolved fuel type components like methylated naphthalene and benzene. That information supports the geological studies about groundwater flow and the direction of contaminant migration.

One other well that was installed was 13 which was a shallow well. That location already had an intermediate and deep well. At this well, they found tetrachloroethene (PCE), trichloroethene, and some of the other degradation products. The next step is to carry this site into the corrective measures study and determine which is the best alternative for treating contamination that is in the ground.

As the Navy has said all along, they don't feel there is a connection between what was released at SWMU 39 and what is in the Crawford Street private well. Migration of contamination from the facility is not supported.

Ms. Mallette asked if Hess has completed their investigation and shared any information with the Navy. Although Hess has not shared any information yet, they are conducting an investigation and have done some soil removal and installed some wells. The Navy did do a combined water level measurement with them so Hess could get some information on groundwater flow direction and hydraulic gradient. As soon as Hess submits their report to DHEC they will also share it with the Navy. As a review, free product was found in the well in the corner of the Naval Base property and tests showed that petroleum type product was determined to be migrating onto the base from the north.

Mr. Mintz asked for clarification on Mr. Hunt's statement on laboratory acetone contamination - was it from the laboratory on base or an off-site laboratory. Mr. Hunt said the samples were sent out to be tested.

A guest asked if off-base residential wells were tested. Mr. Hunt explained that there were two wells on Crawford Street that were tested. One of those wells is the one that had TCE (but no degradation products). The guest also asked if a sample of the free product was ever tested to identify its type and source. Hess tested the sample and "fingerprinted" it, and after that they began their activities at the site. The Navy is concerned about the groundwater contamination that is migrating on-site, and will do their own fingerprinting test as well.

Ms. Ragan stated that Hess is required to provide a report on their findings to DHEC. DHEC will decide what needs to be done after they receive and review the report. Mr. Fontenot added that Hess has been very cooperative.

Ms. June Mirecki asked if the Navy found any MTBE hits. Mr. Hunt answered no.

Interim Measures

Mr. Brian Stockmaster provided an update of the Interim Measures. Those activities are summarized below:

SWMU 8 (Oil Sludge Pits) - 50% complete overall, 100% of pit area 1 uncovered. Found sludges and construction debris. In Area 2, sludges were found, excavation continues.

AOC 503 (Unexploded Ordnance) - Completed search on 10 acre area, excavation turned up pieces of scrap metal. Report on search and findings being drafted.

AOC 574 (Petroleum Contaminated Area at Bldg. 9) - Excavation complete, ready to backfill site.

SWMU 83 (Foundry Bldg. 9, completion of process closure cleanup) - 95% complete, waiting on PCB sample results.

SWMU 25 (Old plating shop annex, Bldg. 44) Demolition and removal to the annex portion of the building 60% complete, horizontal and vertical portions of building down.

SWMU 5 and AOCs 621 and 605 (Battery Electrolyte Treatment Area) - Just started this week, flushed pipe and removed, will be removing lead contaminated soils soon.

SWMU 38 (Misc. Storage, North of Bldg. 1605) - Start next week.

SWMU 42 (Former Asphalt Plant Area) - Just started this week, removal of lead contaminated soils.

SWMU 14 (Chemical Disposal Area) - Looking to start excavation on 3/19/97.

AOC 707 (Bldg. 1795 fuel oil spill) - Excavated area waiting on confirmation sample results.

AOC 708 (NS-668/669 oil spill) - waiting on confirmation sample results.

SWMU 7 (Public Works Storage Yard - Old Corral) - 20% complete, removed old shed and concrete broken up at site, will be excavating contaminated soils next.

Mr. Mintz asked what the Navy does with petroleum-contaminated soils. Mr. Stockmaster said it depends on the levels. If they're found suitable, they hope to bioremediate them. However, if other constituents are found in the soil, such as metals, bioremediation would not make sense because metals won't be affected by bioremediation. In some instances, the soil is brought some place and used for laying asphalt and making roads. The Navy tries to find the most suitable disposal or reuse for the soil.

Mr. Conner asked if mercury contamination was found while testing at the Foundry. Mr. Stockmaster said he does not know if the actual investigation turned up mercury, but investigation is not the intent of the Interim Measure process. However, he can say there are some PCB and oil spill areas in there, lead dust, and PCB oils that were inside of machinery that were taken care of. Mr. Hunt said that he does not recall mercury in that area, but does remember cadmium and chromium.

Someone asked for the clarification of what was demolished at SWMU 25. The Bldg. 44 annex portion is what was demolished. The concrete pad has not been pulled up yet, but it will be.

8. Information on Environmental Justice Presentation for RAB

Mr. Fontenot reported that he is currently working on finding a local speaker to come to the RAB and give a briefing on Environmental Justice. Hopefully, someone will be able to come in to speak at the April meeting.

9. Remaining Questions and Comments

Ms. Mallette asked if there were any further questions or comments from RAB members or guests.

Agenda for the next meeting will include a report from the Community Relations Subcommittee and a Reuse Update from Jeri Johnson.

RAB meetings will be held at the same location (Live Oak Community Center) unless otherwise announced.

10. Adjournment

<p style="text-align: center;"><u>Summary of Action Item</u></p> <ul style="list-style-type: none">• Mr. Fontenot will coordinate getting a speaker on environmental justice issues.

Attachments to Minutes

- (1) Tuesday March 11, 1997 RAB Meeting Agenda
- (2) RCRA Facility Investigation (RFI) Progress Report for March 1997
- (3) Naval Base Charleston RFI Progress Update

Minutes recorded by: Diane Cutler, EnSafe/Allen&Hoshall

Minutes approved by: _____
Daryle Fontenot
Navy Co-Chair

Wannetta Mallette
Community Co-Chair

Tuesday, March 11, 1997

Charleston Naval Complex

RESTORATION ADVISORY BOARD MEETING AGENDA

6:00 P.M. Location: *Live Oak Community Center*
2012 Success Street, North Charleston, SC

6:00 P.M. RAB MEETING

- A. Introduction of the RAB Members and Guests
- B. Administrative Remarks, comments on the minutes of the last meeting
- C. Subcommittee Reports
- D. Reuse Update
- E. Environmental Cleanup Progress Report - Cleanup Team
 - Status of the Environmental Programs
- F. Information on Environmental Justice Presentation for RAB
- G. Earth Day Tour of Base
- H. Remaining Questions and Comments from RAB Members and Visitors
- I. Agenda for next meeting.

RAB Members, Project Team, and interested citizens informally talk about what's going on after the meeting from 7:00 p.m. to 8:00 p.m.

Please mark your calendar. Our next meeting is **Tuesday, April 8, 1997**. Time and location to be determined.

**Naval Base Charleston
RCRA Facility Investigation (RFI)
PROGRESS REPORT FOR MARCH 1997**

INVESTIGATIVE ZONES

- A. Warehousing and scrap metal yard
- B. Golf course and residential
- C. Office space and warehouse (NH-45, Navbase HQ)
- D. Parking lot, warehouses
- E. Shipyard
- F. Recreational areas and public works shops
- G. Fuel farm and transfer facility
- H. Southern end of the base excluding waterfront
- I. Southern end of the base including waterfront and dredge material area
- J. Waterbodies
- K. Non-contiguous areas
- L. Sewer systems and railroad system

FUNDING

- ◆ Funding status
Zone J field work is awarded. Zone L field work is expected to be awarded this week.

PROGRESS FOR FEBRUARY

- ◆ The Zone D RFI Report was submitted February 19, 1997.
- ◆ 90% progress meetings for Zones F, G and K were held during the February Project Team meeting. As a result there is additional screening work proposed for sites in all three zones.
- ◆ Field work has completed in Zone E.
- ◆ SWMU 39 groundwater sample results received.

PROJECTED ACTIVITY FOR MARCH

- ◆ Begin field work in Zones J and L.
- ◆ Continue to resolve comments on background issues.

Naval Base Charleston
Project Status
3/11/97

PROGRAM	PROJECT DESCRIPTION	ACTION REQUIRED	ECD
BRAC - Property Lease/Transfer	None		
NEPA	Environmental Assessment of Naval Annex	Waiting on reuse plan from RDA before completing the EA	
RCRA Compliance	Part B permit application	CSO submit Part B application	
RCRA Corrective Action	Zone A RFI report	In SCDHEC review, Report comments to be discussed 3/12/97	3/12/97
	Zone A field work	SWMU 1 & 2 soil and groundwater sampling complete, additional data from wells at SWMU 39 received	3/11/97
	Zone B RFI report	Final Report submitted 1/31/97	complete
	Zone B CMS Work Plan	AOC 507 scoped 3/11/97, no further action required. Background issues within Zone B still being resolved.	3/12/97
	Zone C RFI report	In SCDHEC review, comments to be discussed 5/13/97	5/13/97
	Zone D field work	Draft report submitted 2/19/97, in EPA and SCDHEC review	5/30/97
	Zone F & G field work	Field work completed for all sites except AOC 607 and SWMU 175	
	Zone E field work	Field work complete	
	Zone H RFI report	Report changes submitted, in SCDHEC review	3/24/97
	Zone I RFI report	In SCDHEC review, comments to be discussed 5/13/97	5/13/97
	Zone J RFI field work	Awarded, field work to begin in March	
	Zone K Field Work	Field work complete at Clouter Island, additional DPT sampling occurring at Naval Annex	
	Zone L RFI field work	Negotiated awaiting award	3/28/97
	Miscellaneous issues		
	Groundwater Model	Lower flow zone is being added to model, calibration with data from new wells is next step	4/29/97
	Transfer of IR sites to UST program	Letter submitted requesting transfer of sites (AOC 659, 667, SWMU 13, 138)	complete
	Support services		
	Groundwater Monitoring	Zone E 4th ECD 3/6/97, Zone A Add 1 to begin 2/18/97, Zone E Add I and Zone K awarded	Ongoing
Underground Storage Tank	Tank Management Plan	Complete	
	Petroleum Remediation Plan	Det preparing plan of action	
	Bioremediation demonstration project	In operation	
	Removals	FY 97 - 45 tanks authorized for removal, thirty eight have been removed	
	Chicora Tank Farm	Waiting on reuse response, additional information being prepared for the RDA and City of North Charleston	
Asbestos	Building 32 remediation	In progress	6/30/97

Interim Measure / Process Closure Status Summary

SITE	DESCRIPTION	STATUS
SWMU 8	Oil Sludge Pits	50% complete overall, 100% of pit area 1 uncovered. Found sludges and construction debris. In Area 2 we have found sludges and are continuing excavation.
AOC 503	Unexploded Ordnance (UXO) in marsh	Completed search on 10 acre area, excavation turn up pieces of scrape metal. Drafting report of search and findings.
AOC 574	Petroleum contaminated area bldg. 9	Excavation complete, ready to backfill site
SWMU 83	Foundry Bldg. 9, Completion of process closure cleanup	95% complete, waiting on PCB sample results.
SWMU 25	Old plating shop annex, Bldg. 44, Demolition and removal to the annex portion of this building	60% complete, horizontal and vertical portions of building down.
SWMU 5 AOC 621 AOC 605	Battery Electrolyte Treatment Area	Just started this week, flushed pipe and removed, will be removing lead contaminated soils soon.
SWMU 38	Misc. Storage , N. of Bldg. 1605	start next week
SWMU 42	Former Asphalt Plant Area	Just started this week, removal of lead contaminated soils
SWMU 14	Chemical Disposal area	Looking to start excavation on 3/19/97
AOC 707	Bldg. 1795 fuel oil spill	Excavated area waiting on confirmation sample results
AOC 708	NS-668/669 oil spill	Waiting on confirmation sample results
SWMU 7	Public Works Storage Yard (Old Corral)	20%, removed old shed and concrete broken up at site, will be excavating contaminated soils next.

Acronym List

EBSL - Environmental Baseline Survey for Lease
FOSL - Finding of Suitability for Lease
BEC - BRAC Environmental Coordinator
NS - Naval Station
COE - Army Corps of Engineers
EBST - Environmental Baseline Survey for Transfer
MC - Marine Corps
fac. - facility
EA - Environmental Assessment
RCRA - Resource, Conservation and Recovery Act
SCDHEC - South Carolina Department of Health and Environmental Control
LCDR - Lieutenant Commander
OIC - Officer in Charge
RFI - RCRA Facility Investigation
WP - Work Plan
EPA - Environmental Protection Agency
RTC - Response to Comments
RFA - RCRA Facility Assessment
SWMU - Solid Waste Management Unit
IM - Interim Measures
AOC - Area of Concern
IR - Installation Restoration
UST - Underground Storage Tank
DRMO - Defense Reutilization and Marketing Office
IDW - Investigative Derived Waste
USGS - United States Geological Survey
CSO - Caretaker Site Office
PEP - Project Execution Package
GRAM - General Radioactive Material
Det. - Shipyard Detachment
SOW - Statement of Work
ASB - Asbestos
ECD - Estimated Completion Date

NAVAL BASE CHARLESTON RCRA FACILITY INVESTIGATION PROGRESS UPDATE

	CURRENT	PLANNED			OVERALL	OVERALL	
	RFI	COMPLETION			RFI	RFI	
	CURRENT	PHASE	DATE OF		RFI	RFI	
	RFI	COMPLETION	CURRENT RFI	NEXT	COMPLETION	COMPLETION	
ZONES	PHASE	PERCENTAGE	PHASE	PHASE	DATE	PERCENTAGE	NOTES
A	Report Review	98	3/19/97	CMS Work Plan	3/19/97	95	
B	Report Review	100	12/20/96	CMS Work Plan	1/8/97	100	CMS in progress
C	Report Review	80	3/21/97	CMS Work Plan	3/21/97	90	
D	Report Review	0	6/6/97	CMS Work Plan	6/6/97	75	
E	RFI Report Prep	10	5/24/97	RFI Report Prep	8/19/97	55	
F	Field Work	95	3/15/97	RFI Report Prep	9/16/97	48	
G	Field Work	95	3/15/97	RFI Report Prep	9/26/97	48	
H	Report Review	95	3/24/97	CMS Work Plan	3/24/97	95	
I	Report Review	50	4/16/97	CMS Work Plan	4/16/97	80	
J	Field Work	0	10/16/97	RFI Report Prep	4/21/98	10	
K	Field Work	90	3/15/97	RFI Report Prep	9/30/97	45	
L	Field Work	0	8/2/97	RFI Report Prep	1/21/98	10	
All Zones					4/21/98	63	

LEGEND

Phase	Description
RFI	RCRA Facility Investigation
CMS	Corrective Measures Study
Work Plan Preparation	Work Plan being prepared by Navy Contractor
Work Plan Review	Regulators (DHEC & EPA) reviewing work plan
Field Work	Navy contractor performing field work as outlined in the Work Plan
RFI Report Preparation	Navy contractor preparing the RFI Report
Report Review	Regulators (DHEC & EPA) reviewing report
CMS Work Plan	CMS Work Plan being prepared by Navy Contractor

Prepared 12/19/96
Revised 3/11/97

Time: 3:30 p.m. - 4:30 p.m.

Attendees: Daryle Fontenot, Louis Mintz, Ralph Laney, Wannetta Mallette, Arthur Pinckney, Diane Cutler

DISCUSSION ITEMS

Human Health Fact Sheet Mr. Fontenot asked Mr. Pinckney what his specific questions were regarding human health issues as they relate to the Naval Base in order to determine if producing a fact sheet on the subject was necessary. Mr. Pinckney stated that his questions were: 1) How do epidemiological studies relate to human health? 2) If former shipyard workers have an issue with their health that they think relates to their past work on base, who do they need to contact? Mr. Laney and Mr. Fontenot provided the following answers: 1) Toxicological studies are done on fish and other species to help determine what levels of contaminants would be safe for human consumption. The values derived from these tests are used in the risk assessments performed at Naval Base Charleston to determine risk levels to future residents and site workers. The risk assessment and associated RCRA cleanup addresses **future** human health. 2) The RCRA program does not address past health concerns. Any health concerns that are thought to be a result of former service at the shipyard should be directed to the Department of Labor.

Zones A, B, C, and I RFI Results Fact Sheet Ms. Cutler provided a draft version of the RFI Zones A, B, C, and I Fact Sheet. Mr. Fontenot suggested minor edits. Mr. Fontenot will pass the fact sheet through the Project Team for final approval. Once final approval is given, Ms. Cutler will make minor edits, import the appropriate map, and have the fact sheet printed and distributed by the April 8 meeting (if possible).

Earth Day Mr. Fontenot asked for input regarding the idea of an Earth Day tour. Mr. Mintz said he thought it was a good idea but in order to be newsworthy or well attended, that local political leaders or celebrities should be brought in and a banner should be created. Ms. Cutler relayed the efforts that would be involved including getting a commitment from the local celebrity, writing press releases and initiating extensive advertising, making a banner, creating the material needed for the tour (handouts, scripts), coordinating tour logistics such as a bus, tour guides, etc. Although it can be done within the timeframe, the question is, does the subcommittee think it is worth all the effort?

Ms. Cutler offered an alternative suggestion; that a flyer be distributed which announces the opportunities for education and involvement in the process. It would announce the RAB meetings, Speakers Bureau, and availability of tours. The flyer would be distributed to schools through the School Board, Chamber of Commerce, Sierra Club, RAB members, and libraries. Mr. Fontenot will pass it by Jim Beltz at the Public Affairs Office since his name will be the point of contact.

NEXT MEETING

Subcommittee Meeting The next Subcommittee meeting will be held on April 8, 1997 at 3:30 p.m. Mr. Fontenot will not be in town for the May subcommittee or RAB meeting -- a decision whether the May subcommittee meeting will be held will be discussed in April.



NAVY NEWS RELEASE

Public Affairs Office
Naval Facilities Engineering Command, Southern Division
P.O. Box 190010
North Charleston, SC 29419

RAB Reports on Environmental Progress and Base Reuse

For Publication by Tuesday, April 8, 1997

For more information, contact:

Jim Beltz (803) 820-5771

North Charleston – The Naval Base Charleston Restoration Advisory Board will hold their next meeting on Tuesday, April 8, 1997 from 6 to 7 p.m. at the Live Oak Community Center, 2012 Success Street, in North Charleston. Agenda topics will include a progress report on environmental activities and a base reuse update presented by the Charleston Naval Complex Redevelopment Authority. Navy staff and environmental specialists will be available after the meeting for informal discussion and to answer questions. The meeting is open to the public and all are encouraged to attend.

The RAB is a group of community members, Navy representatives, and federal, state, and local organizations and agencies that gather monthly to discuss environmental cleanup progress and property reuse at Naval Base Charleston. Meetings are held on the second Tuesday of every month at 6:00 p.m.

For more information on the upcoming meeting, call Jim Beltz at the Public Affairs Office at Naval Facilities Engineering Command, Southern Division, (803) 820-5771.

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April 8, 1997

Naval Base Charleston

RAB Meeting

Restoration Advisory Board

DateTuesday, April 8, 1997

Time6 - 7 p.m.

Location...Live Oak Community Center
2012 Success Street
North Charleston

The RAB is a forum where community members meet with representatives from the Navy, State and Federal environmental agencies, and other groups to discuss the environmental programs underway at Naval Base Charleston. **All meetings are open to the public and everyone is encouraged to attend.**

For More Information



Call Jim Beltz at the Public Affairs Office
at Naval Facilities Engineering Command,
Southern Division: (803) 820-5771.

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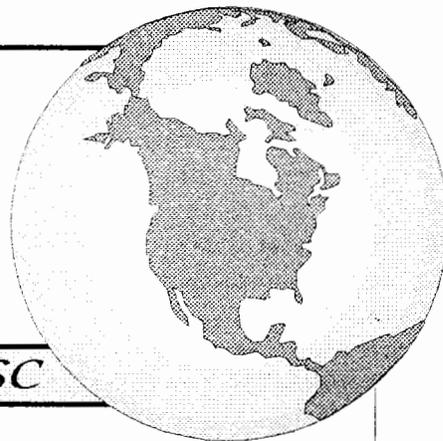
For More Information



Call Jim Beltz at the Public Affairs Office
at Naval Facilities Engineering Command,
Southern Division: (803) 820-5771.

Earth Day

April 22, 1997



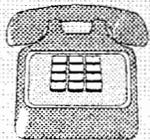
Naval Base Charleston ~ Charleston, SC

What are your plans for Earth Day this year? You remember the slogan, "think globally, act locally," -- well how about getting involved with the environmental restoration of Naval Base Charleston?

Naval Base Charleston has an active, ongoing environmental restoration program. A Restoration Advisory Board (RAB) consisting of community members, Navy representatives, and state, federal and local organizations and agencies meets monthly to discuss the progress and future activities associated with the cleanup of the base. These meetings are held on the second Tuesday of each month at 6:00 p.m., and public attendance is encouraged. The next meeting will be held at the Live Oak Community Center at 2012 Success Street in North Charleston. Please come, and bring a friend or neighbor.

The RAB also has speakers available to business, education, and community groups in the Charleston area. If you are a member of, or know a group that needs an informative speaker for a meeting or special presentation, please call the Public Affairs Office at the number provided below.

Another activity that the Navy offers is environmental tours of the Naval Base. These tours are geared to introduce and inform community and academic groups about the ongoing environmental investigations and cleanup at the base. If you are interested in scheduling a tour, contact the Public Affairs Office.



For more information on how you can get involved, call Jim Beltz at the Public Affairs Office at Naval Facilities Engineering Command, Southern Division, (803) 820-5771.

RAB MEETING

11 March 1997

Sign-in Sheet

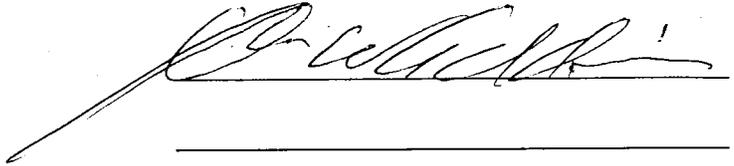
Name	Organization	Phone
Diane Cutler	EnSafe/Alkene/Hershall	917-851-1886
Bessie Carr	Chicago - Chicago	566-1480
Tony Hunt	SOUTH DIV	820-5525
Frank Smith	SCFCU	569-5876
Johnny Tapia	SCDHEC	896-4179
J. Michael Reubish	CEERD	852-1768
Rosemary Moore		744-5901
Gabriel L. Magwood	South Div	803-820-7307
Brian K. Stockmaster	South Div	803 820-7481
PAUL M. BERGSTRAND	SCDHEC	803 896-4016
Robert E. Tenney	Put.	744-5492
Robert E. Tenney	Put	" "
Tom Fressilli	BIC	743-9985 ext. 20
Genny Fender	shalom	747-9697
Myrtle Barnett	Community member	566-0867
DAVE BACKUS	E/A&H	901/372-7962
Sandy Reagan	E/A&H	423-693-3623
JUNE MIKECKI	Coll of CHAS	803-953-8278
JERI JOHNSON	RDA	747-0010
Sus D	Grassroots Coalition	722-6337
odd Haverkost	E/A&H	884-0029

PLEASE PRINT

DATE: 11 March 1997

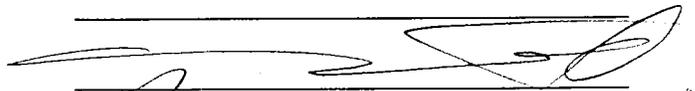
CHARLESTON NAVAL COMPLEX
RESTORATION ADVISORY BOARD (RAB)
MEETING ATTENDANCE SHEET

Mr. Oliver Addison



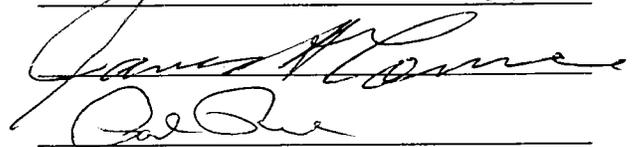
Mr Ray Anderson

Mr. Steve Best



Mr. Doyle Brittain

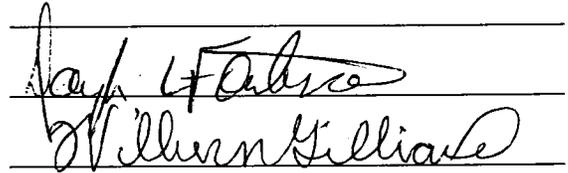
Mr. James Conner



LCDR Paul Rose

Mr. Bobby Dearhart

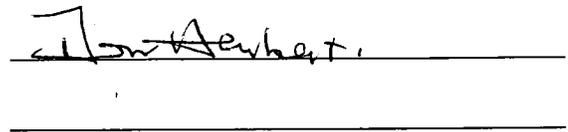
Mr. Daryle Fontenot



Mr. Wilburn Gilliard

Ms. Gussie Greene

Mr. Donald Harbert



Mr. Virgil Johnston

Mr. Ralph Laney

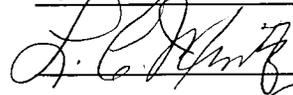
Ms. Wannetta Mallette-Pratt



Mr. Odell Price



Mr. Louis Mintz



Mr. Arthur Pinckney



Ms. Ann Ragan



Mr. Van D. Robinson

Ms. Priscilla Wendt



Fouche'na Sheppard

Mr. Bob Veronee

