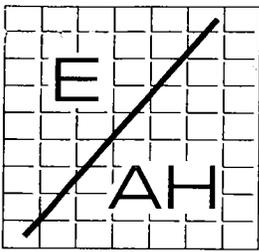


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MEETING MINUTES FROM RESTORATION ADVISORY BOARD MEETING DATED 9 APRIL
1996 WITH TRANSMITTAL CNC CHARLESTON SC
4/25/1996
ENSAFE/ ALLEN AND HOSHALL



EnSafe / Allen & Hoshall

a joint venture for professional services

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Fax (214) 791-0405

April 25, 1996

Commander, Naval Base
Base Closure Office (Daryle Fontenot)
1690 Turnbull Ave.
Suite NH51
Charleston, SC 29405

Subject: Restoration Advisory Board Meeting Minutes (4/09/96)
CLEAN Contract# N62467-89-D-0318 CTO# 2900

Dear Mr. Fontenot:

Please find enclosed a copy of the April 9, 1996 Restoration Advisory Board Meeting Minutes with all applicable attachments. Also enclosed is a diskette version with the file saved in both WordPerfect 5.1 and 6.0, and the original audio tapes. The diskette has been scanned for viruses and none were detected.

If you have any questions regarding the minutes, 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

**COMMANDER, NAVAL BASE CHARLESTON
RESTORATION ADVISORY BOARD (RAB)
Minutes of 9 April 1996**

1. Introduction of the RAB Members and Guests

Mr. Don Harbert, Community Co-chair, welcomed everyone to the RAB meeting and asked that all RAB members introduce themselves. He also encouraged guests to ask questions during the meeting if they don't understand something.

2. RAB Members Attending

Mr. Oliver Addison
Mr. Doyle Brittain
Mr. James Conner
Mr. Bobby Dearhart
Mrs. Susan Floyd
Mr. Daryle Fontenot

Mr. Wilburn Gilliard
Mr. Don Harbert
Mr. Louis Mintz
Mr. Arthur Pinckney
Ms. Wannetta Mallette-Pratt
Ms. Ann Ragan

3. Guests Attending

Mr. Tony Hunt	NAVFAC, SouthDiv
Mr. Brian Stockmaster	NAVFAC, SouthDiv
Mr. Jim Beltz	NAVFAC, SouthDiv
Ms. Pat Franklin	NAVFAC, SouthDiv
Ms. Kim Reavis	NAVFAC, SouthDiv
Mr. Jim Moore	OSD
J.N.K. Tunstall	CNSY
Mr. Steve Curfman	CEERD
J.B. Lawrence	CEERD
J.T. Hardin	CEERD
Mr. Johnny Tapia	SCDHEC
Mr. Joe Bowers	SCDHEC
Mr. Paul M. Bergstrand	SCDHEC
Jerry O'Keefe	Res. Management Consultants
Mr. Terry Joyce	Post & Courier
Ms. Jeri Johnson	RDA
Mr. Jack Sprott	RDA
Mrs. June M. Brittain	Concerned Citizen
Ms. Margaret McLennan	Concerned Citizen
J.T. Amey	
Mr. Paul Tomiczek	Bechtel Environmental, Inc.
Ms. Diane Cutler	EnSafe/Allen&Hoshall
Mr. Todd Haverkost	EnSafe/Allen&Hoshall
Mr. Rick Barlow	EnSafe/Allen&Hoshall
Mr. Dave Backus	EnSafe/Allen&Hoshall
Mr. Larry Bowers	EnSafe/Allen&Hoshall

4. Administrative Remarks and Comments on Minutes

No comments or corrections were made on last month's meeting minutes

5. Subcommittee Reports

Community Relations

Mr. Fontenot reported that the Community Relations Subcommittee met prior to the RAB meeting. Members of that subcommittee include Mr. Fontenot, Mr. Lou Mintz, Mrs. Susan Floyd, Ms. Wannetta Mallette-Pratt, and Mr. Arthur Pinckney. Mr. Fontenot asked the RAB members if they had any comments on the previously distributed FOSL fact sheet. There were no questions or comments, so the FOSL fact sheet - Fact Sheet #5 - will be printed and distributed. Mr. Fontenot also announced completion of the Information Repository Brochure. Copies are available and explain what is in the repository, where it is located, and the hours it is available. The Information Repository is maintained at the Dorchester Road Regional Branch of the Charleston County Library.

The subcommittee also started working on a Zone H Results fact sheet. The material in this fact sheet will be similar to the information provided in the Zone H presentation given at the February RAB meeting. The information will be a brief summary of the findings in the six-volume report. A draft of the fact sheet should be available by the next RAB meeting.

The Community Relations Subcommittee also tentatively set up the May meeting location at the Dorchester Road Regional Branch of the Charleston County Library. Mr. Pinckney asked if any of the meetings will be held in the City of Charleston. Mr. Fontenot replied that it hadn't been planned to date, but can be considered for future meetings. Since no-one has any objections to the location, reservations for the Dorchester Road Library will be confirmed. The open house will start at 5:30 and the meeting will run from 6:30 - 8:30.

The Community Relations Subcommittee will continue to meet regularly and will keep working on fact sheets and other items to get out to the community in an effort to help them understand the environmental investigation and closure at the Naval Base.

Shipyard Detachment

Mr. Bobby Dearhart provided an update on the Shipyard Detachment. The Shipyard Detachment, based out of Norfolk, VA, is now standing up 172 strong with civilian workers. They started up on April 1st. They have been gearing up for environmental cleanup and have now started with some of their first jobs. The detachment started pulling their first tank, and began surveying, groundwater monitoring, and work on SWMU 44. They will also begin work shortly on two additional Interim Measures sites. Mr. Pinckney asked if the detachment personnel is up to capacity or if more workers will be hired. Mr. Dearhart stated that the Secretary of the Navy, who established the detachment, stated that shipyard workers could only be hired up until April 1. There are currently 172 workers, and that will be the maximum, however, that number may decrease if workers are offered permanent positions.

Finance

Mr. Lou Mintz stated that the Finance Subcommittee has nothing to report at this time.

6. Environmental Cleanup Progress Report

Status of Environmental Programs

Mr. Fontenot reported that the Shipyard Detachment has begun removing tanks for the Underground Storage Tank program, and has plans to begin asbestos removal in the near future.

Monthly Progress Report

Mr. Tony Hunt presented the RCRA Facility Investigation (RFI) Progress Report (attached to these minutes). There is funding available for all zones, but negotiations have not yet been conducted for all zones. Negotiations will occur after the Work Plans have been completed and the Navy has a better idea of what will be required. Those negotiations should be accomplished soon. In March, the second phase of soil sampling was completed during the week of March 25th. The Navy hopes to get in the field shortly to do geoprobe sampling which is a groundwater screening method that allows the Navy to cover a relatively large area and get a good indication of what's in the groundwater without actually having to install monitoring wells. Field work continues in Zone E. The fourth quarter of groundwater sampling in Zone H began in March, and is the final round of sampling required. Revision 2 of the Corrective Action Management Plan was submitted to SCDHEC and EPA on March 26th, and the Draft Zone K RFI Work Plan was submitted for regulatory review on April 1, 1996.

Projected activity for April includes resolving EPA draft comments on the Zone J Work Plan. Zone J comprises the water bodies that are being studied for ecological purposes. The Navy is also looking into the "contribution of contaminants in sediment" which means that other industries, as well as the Navy may be contributors to the environmental state of the Zone J water bodies. Zones C and I both had additional sites that were added for investigation, and therefore, the Work Plans are being revised. Zone E groundwater sampling continues.

The Navy has tasked the US Geological Survey (USGS) to develop a groundwater model of the Naval Base. The model encompasses an area from above the Air force Base and around the Naval Base region. In order to successfully place monitoring wells, it is good to know the direction of groundwater flow. Historically, the Navy has been placing wells according to data from topography, which provides a fairly good estimate. Groundwater modeling is a complex process that numerically simulates groundwater flow. It is a tool to provide an estimate of the groundwater flow so the Navy can predict what will occur. Mr. Lou Mintz asked why the survey boundaries carried so far beyond the Base. Mr. Hunt responded that it was a function of the boundary conditions. Mr. Mintz also asked if this survey is coming out of the environmental budget, and how much it cost. Mr. Hunt responded that the survey is coming out of the environmental budget and will cost \$178,000, part of which will go toward developing a bioremediation protocol. The survey alone will cost approximately

\$156,000. Mr. Mintz asked what is the scope of the project, and who requested/required it. Mr. Hunt said that the USGS was tasked to develop a digital numerical model which will include the boundaries of the Naval Base and the regions necessary to develop the boundary conditions, and that Southern Division initiated it. Southern Division decided that with the number of sites, it would be much easier to use the model which provides a hydro geologic framework of the facility and would therefore help assess more accurate locations to install monitoring wells. Mr. Mintz asked if this information was available anywhere else. Mr. Hunt said that inputs to this model are developed by EnSafe/Allen & Hoshall (E/A&H) during their investigations. They give information on the water level of wells, and develop topographic maps of the water table. The survey is very near completion at this time. Mr. Mintz stated that he's been on the Restoration Advisory Board for two years now, and keeps being presented with surprises such as this survey. He stated his concern that all this money is going to other activities and not to actual cleanup, and that he doesn't understand why the community isn't involved with the decisions to complete some of this other work.

Bruce Campbell from the USGS provided an explanation of the groundwater model. The purpose of the groundwater model is to bring all the hydro geologic information together. The USGS uses a computer code to combine aquifer properties to calculate groundwater level and direction of flow. It's a very complex, but useful tool that is successfully used in the environmental industry nation wide. Mr. Campbell's answer to the question "why go so far away from the base," is that the model requires real boundaries to the flow system which are the Cooper and Ashley Rivers and up past the Air Force Base where there is a groundwater divide (groundwater flows in opposite directions). You could take a relatively small area such as the Naval Base and do a small scale model on it, but it would not provide the same confidence factor as with using appropriate flow boundaries. Mr. Pinckney asked if E/A&H could do what USGS is doing. Mr. Hunt answered that the information E/A&H is gathering includes the amount of contaminants that are found at each monitoring well, not an estimate of what will find its way to the Cooper River. The USGS model, however, will tie in the properties of dispersion, invection, and the absorbative components of the aquifer to tell the Navy what concentrations of chemicals will made it to the sediments in Zone J, and further, to the receptors.

Mr. Mintz shared his concerns that the main purpose of the "fast-track" is to clean up the base and prepare it for civilian reuse, not to keep spending money on new models and work that will only be used in the future. Mr. Hunt agreed that the primary goal is to clean up and reuse the property, but said he believes this model will help to realize those goals in a faster and more efficient manner.

Mrs. Susan Floyd asked what zones the groundwater model will be used for. Mr. Hunt answered that it is currently being used for the placement of wells in the Work Plans that are now being developed. Mrs. Floyd announced her concern that tonight is the first time she has heard about this model, and it makes her question what else is going on out there associated with the investigation that she doesn't know about. For the record, she is uneasy that the Navy has been begging for money for cleanup, then \$178,000 is spent on a groundwater model that "she can't eat."

Mr. Mintz inquired about who made the decision to have the model done. Mr. Hunt answered that it was approved by him and his supervisors, and was justified on the basis that it would be a useful tool in assessing the fate and transport for the remedial efforts.

Mr. Brian Stockmaster added that the model is a tool to help the Navy in cleanup efforts as well as in the investigation stage of the program. It aids the Navy in doing the remediation by assessing not only where groundwater contamination is present, but what direction and how fast it is moving. Mr. Oliver Addison asked if groundwater contamination has been found in any of the wells to date. Mr. Hunt answered yes, and that the model will help to determine migration of that contamination. Mr. Stockmaster added that he expects the model to save money by not having to conduct pilot projects which help to assess if a particular method is feasible. Mr. Doyle Brittain added that E/A&H is collecting data for the RFI to determine if there is contamination on the base. Where E/A&H finds contamination, they are installing wells and moving away until they find the horizontal and vertical extent of contamination. They are doing all the groundwater work that needs to be done for cleanup to support the RFI.

In response to Mrs. Floyd's inquiry about the status of Zone J, Mr. Hunt said that Zone J has admittedly been dragged out for a long time. However, all parties are finally coming to agreement about what needs to be in the Work Plan. EPA has provided comments that Southern Division needs to evaluate. Mrs. Floyd stated that someone needs to take responsibility and make this happen. Mr. Hunt said that all parties seem to be in agreement that certain tests need to be run, but are not in agreement about what the data will be used for.

Mr. Brittain added that in the Zone J RFI Work Plan, what's being proposed for ecological risk assessment is good. Basically, what it does, is assess what effect contamination has on birds, plants, and animals. Mr. Brittain's concern is that of human health - people are eating fish from Noisette and Shipyard Creek and the Cooper River. Mr. Brittain wants to know what effects the contamination is having on the people who are eating the fish. At the same time, it must be recognized that the water in this area is tidally influenced, and as a result, some of the fish move with the tides - some don't. Mr. Brittain's concern for the RFI in Zone J is whether it is safe for humans to eat the fish, and if it is not safe, is it because of something that is coming from the Naval Base. He added that it is not an easy job to do. As far as determining how this contamination migrates, E/A&H is doing it in each Zone they investigate. The problems EPA and the State are having with the Zone J Work Plan is if the contamination is coming from the Landfill on the base, is it moving into Shipyard Creek or the Cooper River.

Mr. Mintz stated that the storm sewers have deposited all kinds of waste such as chemicals and radiation from all over the base to the Cooper River, Noisette Creek, and Shipyard Creek. Mr. Brittain agreed, but clarified that there is no radioactive contamination at the base, but other contamination may still be present. Another difficulty is that other industries are located along the waterways and very likely have contributed to the water quality.

Mr. Harbert, as co-chair, suggested that this issue can not be resolved at this time, and that the meeting proceed.

7. RDA Update

Mr. Jack Sprott, Executive Director of the Redevelopment Authority (RDA) provided an update on the Redevelopment Authority. April 1 marked the end of 95 years of the Navy presence at the Shipyard. The newspaper had a good story about the 25,000 workers who were employed in 1943, 10,000 in 1991, and now down to bare-bones. The article was positive about the RDA, and about the overall economy of the Charleston area. The RDA feels very positive about the part they've played, despite past criticism and problems. One of the first criticisms they endured was sending out a Request for Proposal (RFP) regarding leasing property. The RDA, however, felt that the RFP accomplished three things: 1) Made an announcement that the Navy Base was open for business. 2) Suggested that the Navy Base property is worth bidding for, and 3) set up a structure for evaluating bids. As a result, the RDA received 13 proposals. Next, they took the only step they could take, which was issuing interim 5-year leases on an as-is basis (as dictated by the Navy). The RDA has had more success with leasing than at any other closing military base in the country. The RDA, however, can't take credit for all the property that is being used. Some of the facilities and buildings are being used by other federal agencies.

Only offering 5 year interim leases is quite a handicap, but the RDA has done well despite that obstacle. Mr. Pinckney asked if CMMC is building ships, and Mr. Sprott responded that they are only repairing ships. Ships will not be built at that dry-dock; it's too small for the size of the new ships that are being built today.

Another area has been leased to a group out of Florida called Charleston Shipbuilders, Inc. That group will retrofit ships that they purchase from the Navy and put generating power plants in them. Babcock and Wilcox is a Fortune 500 company out of Virginia that took over the rapid access manufacturing parts (RAMP) project. Many other groups such as the Border Patrol, NOAA, the Coast Guard, and NCCC are all occupying the facility.

Again, the RDA is operating under the handicap of a 5-year lease. Mr. Sprott asked what can be done to get beyond that. Even with all the leases the RDA has processed, the revenue generated is not going to be anywhere near what's needed to redevelop the Naval Base. It may take one hundred million dollars (\$100,000,000) just to fix up infrastructure and get the base where it needs to be to accommodate industry. What the RDA will need is the approval of the Navy to get into long-term leases. The RDA feels that the Navy is close to being able to offer long-term or extended leases, which in turn could be passed on to current and future lessees making it more financially attractive.

The environmental cleanup is an important issue to the RDA. If they have property that someone wants to lease, and the Navy says it's not ready due to environmental issues, the RDA is going to come back and ask why not.

Mr. Conner asked if the City of North Charleston is providing services such as fire and security for the facility. Mr. Sprott answered that they are, through a cooperative agreement. The Navy pays for security and fire protection, and for maintenance of the grass, but are going through the RDA. This gives the RDA some say in what's going on and prepares them to do it alone. The cooperative agreement will probably last two or three years. The RDA also just signed a fire protection agreement with the City of North Charleston. The fire department needed a ladder truck to adequately service the base, and the City agreed to buy one under the cooperative agreement that the Navy would pay for it for the first two years. They will also pay for the extra personnel needed for those two years. After the two years are up, the RDA will go to its tenants and ask for a fee in lieu of taxes to pick up the slack.

Mr. Conner also asked about the Base fire alarm system. Ms. Jeri Johnson of the RDA responded that the base fire alarm system is no longer operative because the city of N. Charleston does not man a remote alarm system. Tenants that need that service will have to go through a private service.

Ms. Wannetta Mallette-Pratt asked what Mr. Sprott sees as the role of the RAB and the relationship between the RDA and RAB. Mr. Sprott answered that he sees the RAB as the conscience of the entire community who asks the right questions and exacts answers and accountability from the decision makers. His concern is that the job gets done right.

Ms. Pratt also asked Mr. Sprott how he sees the prioritization of cleanup; as a directive of the RAB or the RDA. Mr. Sprott answered that it's a Navy function to clean up the base, but the prioritization of areas for cleanup is a difficult call, he is not even sure how he would prioritize for reuse right now.

8. RAB Membership

Mr. Fontenot reported on the RAB membership committee meeting established as a result of last month's discussion regarding RAB membership. The committee met on March 19th and consisted of Don Harbert, Lou Mintz, Arthur Pinckney, Ann Ragan, Doyle Brittain, and Daryle Fontenot. The committee came up with recommendations and a proposed membership list, (attached to these minutes). The most important point was to try to maintain historical knowledge of the RAB by keeping as many current RAB members as possible, even if their positions change. Recommendations include:

- CDR Dalby to replace Capt. Augustin on the RAB.
- Ralph Laney remain on the RAB as a community member.
- Bob Veronee remain on the RAB as a representative of NICE East or as a community member.
- Bobby Dearhart remain on the RAB as a representative of CEERD.
- Wannetta Mallette-Pratt remain on the RAB as a community member.
- Councilwoman Gussie Green be added to the RAB as the representative of the City of N. Charleston replacing Ms. Pratt.

- Odell Price be added to the RAB as a community member replacing LCDR Nick Cimorelli.
- Ray Anderson be added to the RAB as a community member.
- Arthur Pinckney to come up with an additional community member to be on the RAB.

These changes would bring RAB membership from 22 to 25 members. The attached handout lists the names of the proposed RAB members.

Mr. Fontenot reported that he called every existing member and asked them if they wished to continue being a member of the RAB. Everyone responded that they are interested in continuing to serve on the RAB with the exception of Diane Duncan who has a conflict and is looking into scheduling alternatives or a replacement. Mrs. Floyd asked if the subcommittee discussed having members send a replacement when they planned on being absent. Mr. Fontenot replied that members are encouraged to attend as often as they can, and that a replacement policy has not been discussed. Mr. Fontenot asked if the RAB would like to accept these recommendations now, or think it over and decide at the next meeting. The RAB moved to accept the recommendations.

9. Feedback on the Business Opportunity Open House

Ms. Kim Reavis from the contracts department at Southern Division reported on the Business Opportunity Open House. On Tuesday April 2nd, SouthDiv, EnSafe/Allen & Hoshall, and Bechtel Environmental, Inc. joined forces and held a small business outreach at the North Charleston City Hall. There was a good turn out with approximately 40 people representing 30 or more businesses. Bechtel and E/A&H gave presentations explaining the type of work they've done, and what is upcoming that needs subcontractor support. Both companies took the names of all the businesses that attended and added them to their mailing list to announce any future projects. The event received a lot of good feedback, and even had two RAB members attend; Mr. Pinckney, and Mr. Fontenot.

Mr. Pinckney made a comment that the Small Business Outreach was generated by the initiation of the RAB in an attempt to get small and minority-owned businesses involved with subcontracting to keep the work within the local community.

10. Information on Business Expo Booth for RAB

Mr. Jim Beltz provided a follow-up from last month's meeting regarding a booth at the Business Exposition at the North Charleston Coliseum. Mr. Beltz reported that Southern Division would in fact be willing to provide a booth to support the Restoration Advisory Board, however, the bad news is that all the booths are sold out. Southern Division, however, will endeavor to reserve a spot for the next time the exposition comes around, and will be an advocate in supporting the RAB for other similar events that may help to get the RAB's message out. Another advance Southern Division is using to reach out to communities and share information is development of a Web Page on the Internet.

11. Remaining Questions and Comments

Joe Bowers from South Carolina Department of Health and Environmental Control made an announcement that he will no longer be assigned to the Charleston Shipyard, he'll be taking on some additional responsibilities and duties. He added that it has been a pleasure serving the RAB, and would like to take this opportunity to introduce his replacement, Paul Bergstrand. Mr. Bowers will be working closely with Mr. Bergstrand to make the transition as painless as possible. Mr. Bergstrand has experience working with the Myrtle Beach Air Force Base, so he is familiar with many of the same issues that are being dealt with at Naval Base Charleston.

Mr. Dearhart expressed that closing the Shipyard and the Naval Base was not an easy task. The Shipyard was a big industrial complex, and the Navy had to worry about completing the overhauls that were required, closing the buildings, completing the radiological surveys, completing paperwork, and maintaining the morale of the people who knew they would be out of a job after closure. One of the tasks most underestimated, however, was the environmental work. Since the Shipyard held all the environmental permits for the Naval Base, they were very concerned with maintaining compliance, and Mr. Dearhart was happy to say that the Navy did a pretty good job of it. However, it took the help of a lot of people. Doyle Brittain from EPA, and Ann Ragan and Joe Bowers from the SCDHEC have been working on this project since the very beginning. They have provided great assistance and guidance, while never forgetting their main purpose which is protecting human health and the environment. Because of this support, they Navy was able to close on time, under budget, and with great dignity. So, in appreciation, and on behalf of Naval SEA Systems Command, Admiral Porter, Captain Nold, Ralph Laney, and all the shipyard workers, Mr. Dearhart presented Mr. Brittain, Ms. Ragan, and Mr. Bowers with a Shipyard plaque.

12. Adjournment The meeting was adjourned at 8:10 p.m.

Summary of Action Item

- Fact Sheet #5 will be printed and distributed.
- RAB membership recommendations are accepted by RAB and will be in place for next meeting.

Attachments to Minutes

- (1) Tuesday April 9, 1996 RAB Meeting Agenda
- (2) RCRA Facility Investigation – Progress Report for March 1996
- (3) RAB Membership Subcommittee Meeting Minutes

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

Minutes approved by: _____

**Daryle Fontenot
Co-Chairman**

**Don Harbert
Co-Chairman**

Tuesday, April 9, 1996

Charleston Naval Base

RESTORATION ADVISORY BOARD MEETING AGENDA

5:30 P. M. *Location* : *Patriot's Point Naval Museum on the USS Yorktown in Mt. Pleasant.*

RAB Members, BRAC Cleanup Team, and interested citizens informally talk about what's going on from 5:30 p.m. to 6:30 p.m.

6:30 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
 - Community Relations
 - Shipyard Detachment
 - Finance
 - Reuse
- D. RDA Update
- E. Environmental Cleanup Progress Report Cleanup Team
 - Status of the Environmental programs
 - Interim measures
- F. RAB Membership
 - Report from RAB Membership Subcommittee
- G. Feed back on the Business Opportunity Open House
- H. Information on Business Expo Booth for RAB
- I. Remaining Questions and Comments from Visitors
- J. Agenda for next meeting

***Please mark for calendar. Our next meeting is Tuesday, May 14, 1996. Time and location to be determined.**

Naval Base Charleston
RCRA Facility Investigation (RFI)
PROGRESS REPORT FOR MARCH 1996
RAB MEETING
9 April 96

INVESTIGATIVE ZONES

- 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. Ecological study area (waterbodies and certain areas on land)
 - K. Non-contiguous areas
 - L. Sewer systems and railroad system

FUNDING

- ◆ Funding status
 - Funding available for all zones
 - Zones being negotiated: D, F, J, G, J, K, L

PROGRESS FOR MARCH

- ◆ Second phase of soil sampling in Zone A was completed the week of 25 March 1996.
- ◆ Field work continues in Zone E with the initiation of groundwater sampling.
- ◆ The fourth quarter of groundwater sampling in Zone H began on 8 March 1996. To date 47 of the 97 monitoring wells in this zone have been sampled. This is the final round of groundwater sampling required by the work plan.
- ◆ Revision 2 of the Corrective Action Management Plan (CAMP) was submitted for SCDHEC and EPA on 26 March 1996 for review.
- ◆ The Draft Zone K RFI work plan was submitted for regulatory review on 1 April 1996.

PROJECTED ACTIVITY FOR APRIL

- ◆ Resolve regulatory comments on Comprehensive Work Plan, Zone C and I work plan revisions and Zones J work plans.
- ◆ Continue Zone E groundwater sampling.
- ◆ Initiate Interim Measures in all zones.

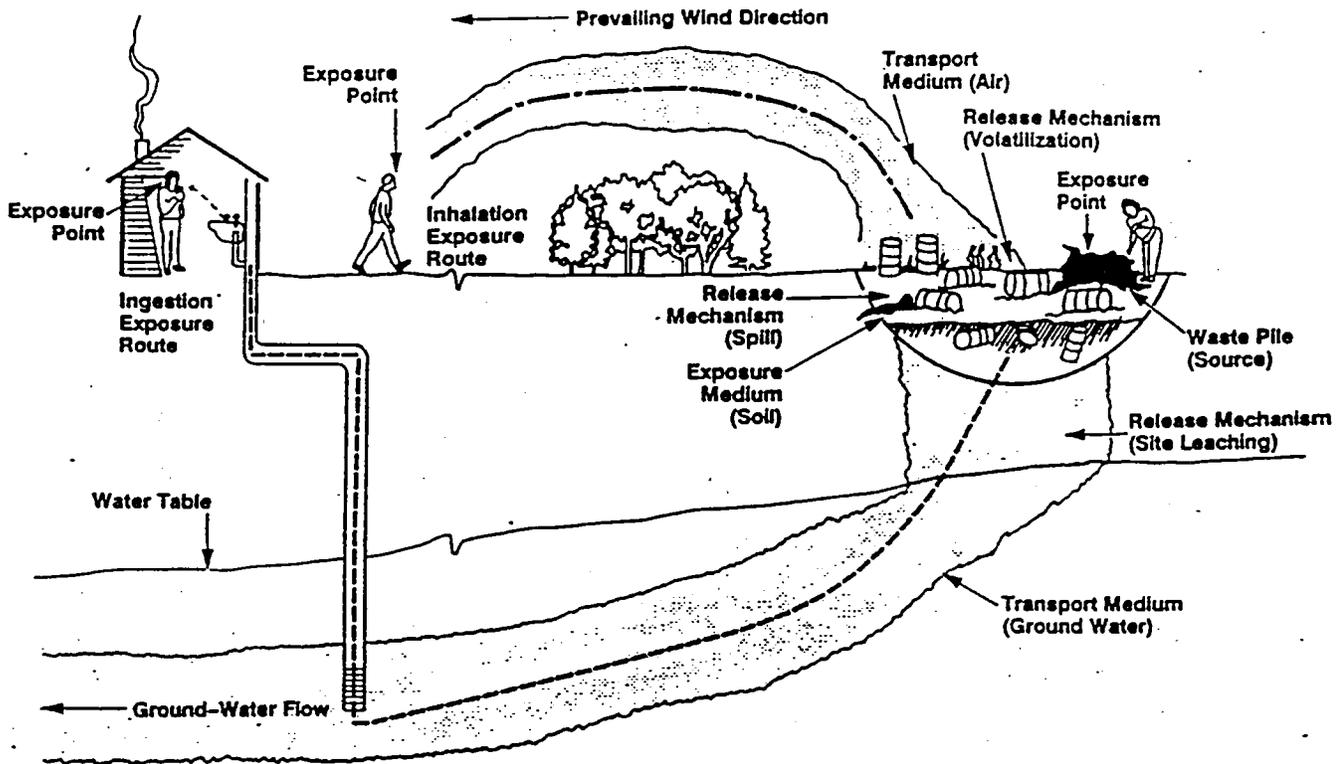
GROUNDWATER MODEL

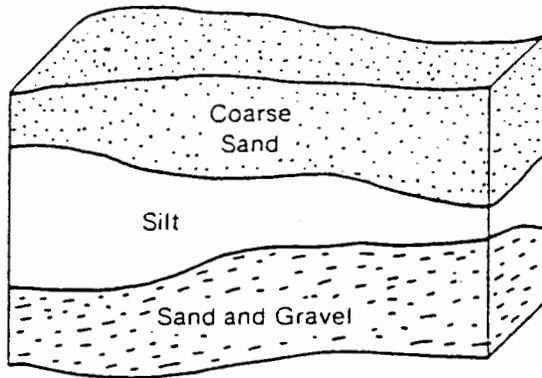
- ◆ Development of groundwater model for Naval Base Charleston

SUMMARY

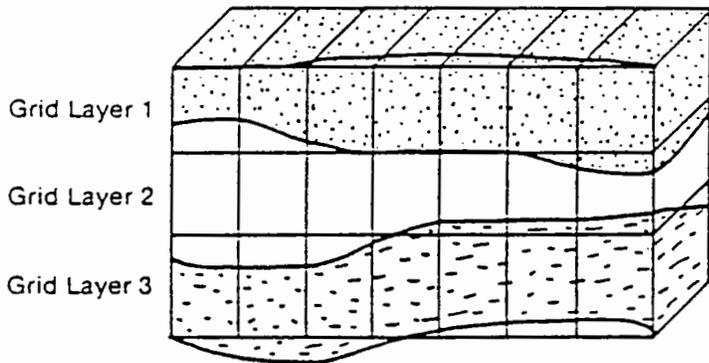
- ◆ Field work in two zones (A and E)
- ◆ Shipyard Detachment accomplishing Interim Measures
- ◆ Anticipating other zones beginning in the near future

EXHIBIT 6-2 ILLUSTRATION OF EXPOSURE PATHWAYS

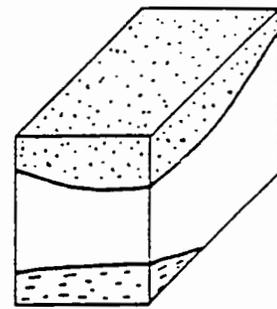




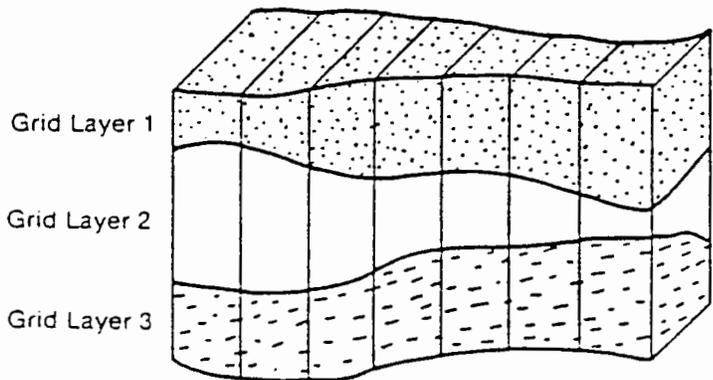
(a) Aquifer Cross Section



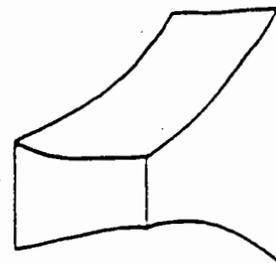
(b) Aquifer Cross Section With Rectilinear Grid Superimposed



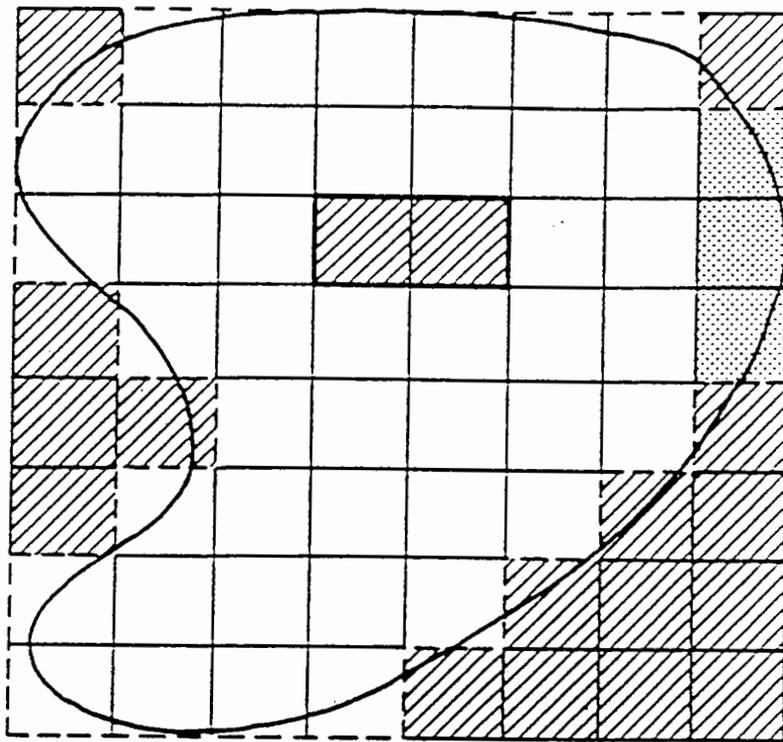
Cell Contains Material from Three Stratigraphic Units. All Faces Are Rectangles



(c) Aquifer Cross Section With Deformed Grid Superimposed



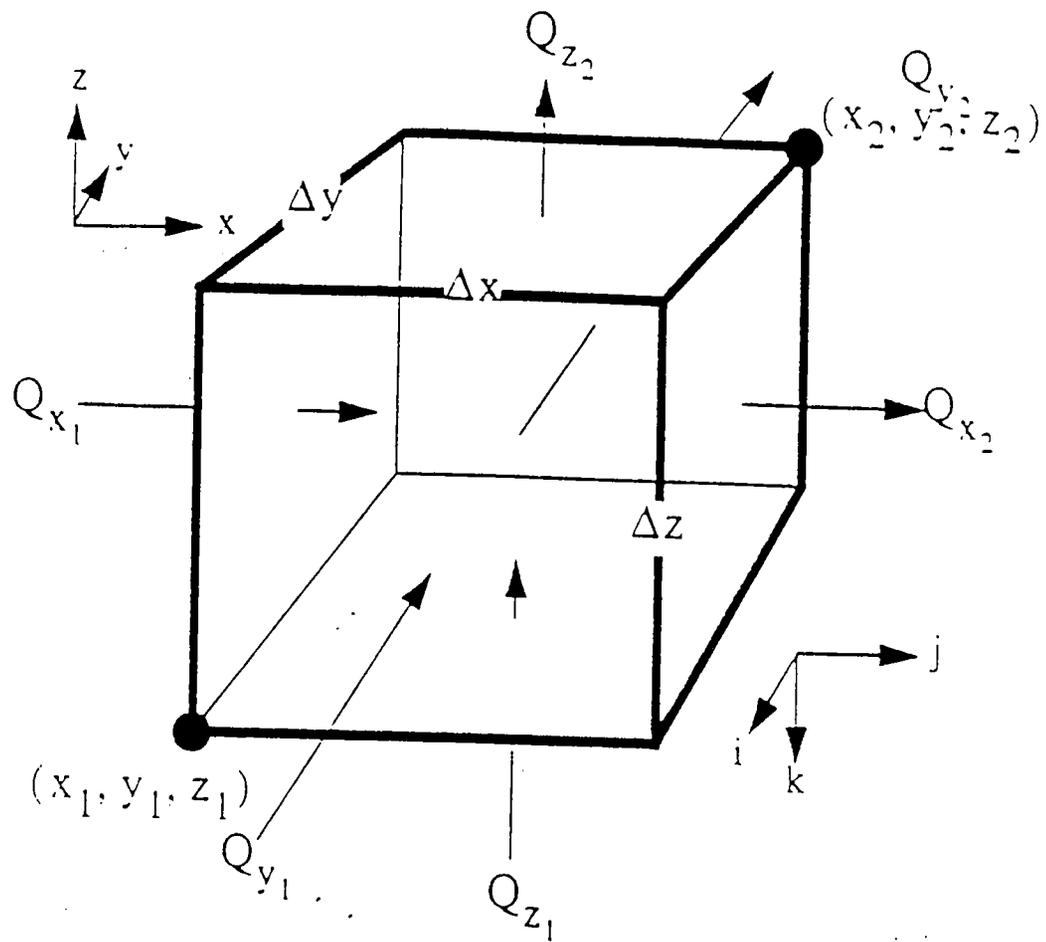
Cell Contains Material from Only One Stratigraphic Unit. Faces Are Not Rectangles



Explanation

- Aquifer Boundary
- - - Model Impermeable Boundary

-  Inactive Cell
-  Constant-Head Cell
-  Variable-Head Cell



RAB MEMBERSHIP SUBCOMMITTEE MEETING MINUTES

Date: 19 Mar 96

Time: 1500

Location: NH-51 Conference Room

Attendees: Don Harbert, Arthur Pinckney, Joe Bowers for Ann Ragan, Doyle Brittain, and Daryle Fontenot

Members: Don Harbert - Community Member and Co-Chair
Louis Mintz - Community Member
Arthur Pinckney - Community Member
Ann Ragan - SCDHEC
Doyle Brittain - EPA
Daryle Fontenot - Navy and Co-Chair

This subcommittee was authorized by the RAB to come up with recommendations on how to replace RAB members that were leaving due to base closure.

The meeting started at 1510 with each person being given the current RAB Membership list and an excerpt from the RAB Workshop Guidebook on how to select RAB members.

It was agreed that all present RAB members would be called to check their interest in continuing to serve on the RAB. This would help to reaffirm the commitment of each RAB member to serve on the RAB.

If a government agency RAB member did not wish to continue to serve on the RAB, that agency's management would be solicited to appoint another person who wishes to represent that agency. If the agency does not want to participate on the RAB, that spot would be given to a community member.

It was agreed to try and maintain historical knowledge of the RAB by keeping as many current RAB members as possible, even if their position changes.

It was agreed by the subcommittee to recommend to the RAB that the positions open due to base closure and the request from the City of North Charleston be filled as follows:

- CDR Dalby to replace Capt Augustin on the RAB.
- Ralph Laney remain on the RAB as a community member.
- Bob Veronee remain on the RAB as a representative of NICE East or as a community member.

- Bobby Dearhart remain on the RAB as a representative of the Charleston Environmental Engineering and Remediation Detachment.
- Wannetta Mallette-Pratt remain on the RAB as a community member.
- Councilwoman Gussie Green be added to the RAB as the representative of the City of North Charleston replacing Wannetta Mallette-Pratt.
- Odell Price be added to the RAB as a community member replacing LCDR Nick Cimorelli.
- Ray Anderson be added to the RAB as a community member.
- Arthur Pinckney to come up with an additional community member to be on RAB.

The changes to the RAB membership agreed to by the subcommittee for recommendation to the RAB would bring the RAB membership from 22 to 25 members.

It was agreed to by the subcommittee to recommend to the RAB that if other community members were thought necessary or if other openings occur on the RAB, the RAB would advertise for members among environmental interest groups and or the general public for interested persons wanting to serve on the RAB.

Meeting was adjourned at 1605.

Action Items from Meeting

- Contact current RAB members to check their interest in continuing to serve on the RAB.
(Daryle Fontenot)
- Contact potential RAB members concerning their membership on the RAB.
(Daryle Fontenot)
- Provide an additional community member for consideration to be a member of the RAB.
(Arthur Pinckney)

PROPOSED RAB MEMBERSHIP

Government Agencies Members

Commander Phil Dalby
Caretaker Site Officer
SOUTHNAVFACENCOM

Mr. Daryle Fontenot
BRAC Environmental Coordinator
Navy Co-Chair
SOUTHNAVFACENCOM

Mr. Doyle Brittain
US Environmental Protection
Agency

Ms. Ann Ragan
SC Department of Health and
Environmental Control

Mr. Bobby Dearhart
Charleston Environmental Engineering and
Remediation Detachment
SPORTENVDETCNASN

Mr. Bob Veronee
NICE East

Mr. Virgil Johnston
Charleston Naval Complex
Redevelopment Authority

Ms. Jane Settle
SC Department of
Natural Resources

Ms. Diane Duncan
US Department of Interior

Mr. Robert Mikell
SC Coastal Council

Ms. Gussie Green
City of North Charleston

Community Members

Mr. Donald Harbert
Community Co-Chair

Mr. Ralph Laney

Ms. Wannetta Mallette-Pratt

Mr. Van Robinson

Mr. Wilburn Gilliard

Mr. James Connor

Mr. Arthur Pinckney

Mr. Louis Mintz

Mrs. Susan Floyd

Mr. Steve Best

Mr. Oliver Addison

Mr. Odell Price

Mr. Ray Anderson

Name to be provided by
Arthur Pinckney