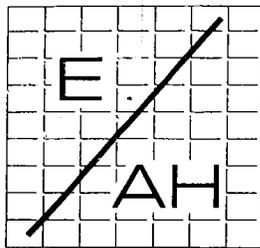


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MEETING MINUTES FOR RESTORATION ADVISORY BOARD MEETING DATED 26
SEPTEMBER 1996 WITH TRANSMITTAL CNC CHARLESTON SC
10/3/1996
ENSAFE/ ALLEN AND HOSHALL



EnSafe / Allen & Hoshall

a joint venture for professional services

October 3, 1996

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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 (9/26/96)
(CLEAN Contract# N62467-89-D-0318 CTO# 2900)

Dear Mr. Fontenot:

Please find enclosed a copy of the minutes from the September 26, 1996 Special Restoration Advisory Board meeting. Also enclosed is the audio tape of the meeting, and a diskette version of the minutes with the file saved in WordPerfect 5.1, 6.1, and Microsoft Word for Windows 6.0. The diskette has been scanned for viruses and none were detected.

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 Special Meeting - 26 September 1996**

1. Introduction

Mr. Daryle Fontenot, Navy Co-chair of the Restoration Advisory Board, welcomed everyone to the Special RAB meeting concerning Solid Waste Management Unit (SWMU) 39. The meeting is being sponsored in conjunction with the Navy and the City of North Charleston.

2. RAB Members Attending

Mr. James Conner	Mr. Virgil Johnston
Mr. Bobby Dearhart	Mr. Louis Mintz
Mr. Daryle Fontenot	Mr. Odell Price
Ms. Gussie Greene	Ms. Ann Ragan
Mr. Don Harbert	LCDR Paul Rose

3. Guests Attending

Mr. Tony Hunt	NAVFAC, SouthDiv
Ms. Thuane Fielding	NAVFAC, SouthDiv
Mr. Brian Stockmaster	NAVFAC, SouthDiv
Ms. Kim Reavis	NAVFAC, SouthDiv
Mr. Jim Beltz	NAVFAC, SouthDiv
Mr. Gabriel Magwood	NAVFAC, SouthDiv
Mayor Keith Summey	Mayor of North Charleston
Mr. John Bourne	Former Mayor of North Charleston
Mr. Kurt Taylor	Old N. Charleston Neighborhood Council
Ms. Christine Coker	SCDHEC - Trident
Mr. Copes Wannamaker	N. Charleston Resident
Ms. June E. Mirecki	College of Charleston
Mr. Kevin Tunstall	Detachment
Mr. Gene Eaton	Atlantic Drilling Corp.
Ms. Diane Cutler	EnSafe/Allen&Hoshall
Mr. Todd Haverkost	EnSafe/Allen&Hoshall
Mr. Lawson Anderson	EnSafe/Allen&Hoshall

4. Purpose of the Special RAB Meeting

The purpose of the Special RAB meeting is to relay information to the Restoration Advisory Board and the public concerning the investigations at SWMU 39. The investigation at SWMU 39 has reached a point where the Navy needs to sample off-base to determine if substances have migrated off-base, and if so, to what extent. The Navy wants to assure the public that they are taking

measures to quickly assess the extent of possible off-base groundwater contamination. The Navy is conducting their investigation in cooperation with Federal, State, and City officials and community representatives. There are no known or suspected health risks at this time.

5. Introduction of RAB Members

For those in the audience that may not be familiar with the RAB, Mr. Fontenot explained that the RAB is the community outlet regarding the environmental cleanup at Naval Base Charleston. Mr. Fontenot asked that each RAB member introduce him/herself. He also introduced Mr. Jim Beltz, Public Affairs Officer, and Mr. Tony Hunt, who will be providing the technical presentation. Both are from Southern Division.

6. Remarks from the Mayor of North Charleston

Mayor Summey stated that the City wanted to get this meeting together when they were informed by the Navy about contamination at the base that could potentially affect property off-site. The City wanted to have some sampling done off-base so they could ascertain if any contamination was present, and if so, where it was coming from and what should be done about it. The Mayor continued by stating that the City appreciates all the agencies working together with them to make sure there isn't a problem for the community. This meeting provides the opportunity for community members to learn about what is going on, and to stay informed.

7. Technical Presentation Concerning SWMU 39

Mr. Tony Hunt introduced himself as an environmental engineer with the Navy. He is also a Project Manager for the environmental work that is ongoing at the Navy Base. EnSafe/Allen&Hoshall is the Navy's environmental contractor for the investigation, and Stratigraphics is the firm that is conducting the direct push sampling off-base.

The Navy is conducting environmental investigations on the Base in accordance with their Resource Conservation and Recovery Act (RCRA) permit. They are working in cooperation, and with oversight by the South Carolina Department of Health and Environmental Control and the U.S. Environmental Protection Agency. A Solid Waste Management Unit (SWMU) is a place where wastes or recycled materials were used, stored, or treated. The site being discussed tonight is SWMU 39. SWMU 39 was an area where the Defense Reutilization Marketing Office (DRMO) stored waste/recycled material.

SWMU 39 is located in Zone A which is the northwestern section of the Base. (The Base is divided into 12 Zones for management purposes). SWMU 39 was the former petroleum, lubricant, and oil storage area. Originally, the Navy was only investigating Building 1604 and the area immediately adjacent to it, but later expanded the investigation once it was discovered that storage had occurred on the adjacent gravel area.

Mr. Hunt used a map to show the sampling points for soil and groundwater for the SWMU 39 investigation. Sampling results found petroleum contamination in the soil and traces of chlorinated solvents in the groundwater. Chlorinated solvents were found in highest concentrations immediately adjacent to the former storage site. Traces of these solvents were found at the facility boundary. Sample results at the facility border showed levels slightly above water quality criteria which is why the Navy decided to sample off-site.

The Navy also installed a monitoring well in an upstream or "upgradient" direction to see if there was any chlorinated solvent coming from another direction. No chlorinated solvents were found in the well, but seven to eight inches of petroleum product was found which chemically resembles gasoline. That was the only well in which petroleum products were found. Because these substances were found in concentrations that people would not come in contact with on or off-base, there are no suspected health risks. The Navy conducted a search of DHEC's well records and found that there are no drinking water wells in the area. In addition, the public water supply is not affected by anything in the groundwater in the area.

The Navy has proposed sampling to determine the extent of the substances in the groundwater along Virginia Avenue and O'Hear Avenue, and three neighborhood streets: Bethany, Alamo, and Buist. The Navy will take the samples along the rights-of-way. Sampling has already begun. Once this sampling is completed, the Navy will evaluate the results and will determine if sampling on private property is necessary. After the results are gathered, the information will be used to determine corrective actions. An update on the results will be provided at the next RAB meeting.

Mr. Hunt presented a slide show on SWMU 39 and off-base direct push sampling. Mr. Hunt summed up that there are no known or suspected health risks. The Navy is taking action to quickly assess the extent of any off-site migration, and is cooperating with State and Federal regulators, local officials, and the community Restoration Advisory Board (and the public through that media). Mr. Hunt also reiterated that the Navy is committed to cleaning up any contamination that may occur as a result of their activities and sharing information with the community about the cleanup. Mr. Hunt added that the Navy is confident in the contractor supporting the cleanup, and that the Navy will continue to update the public on the cleanup at monthly RAB meetings.

8. Questions and Answers Concerning SWMU 39

Mr. Lou Mintz stated that it appears that some of the adjacent property is swampy, and it seems that the contamination would float to the surface making it easy to detect and sample. He asked if the Navy is planning on sampling that area. Mr. Hunt answered that this is just the first phase of the off-site sampling and that they have started by choosing the areas with easiest access. If further sampling is required, the Navy will look into sampling the railroad and private property first, then make their way out toward the swampy area.

Mr. John Bourne asked if it's possible that the petroleum contamination could be coming from the oil storage tanks north of the Base, and moving onto the Base. Mr. Hunt said they don't know the source of the petroleum product found in the one well, and that is part of the reason they are taking samples along Virginia Avenue - to help determine the source and extent of the contamination.

Mr. Bourne continued by asking what would be the course of action if contamination was moving from an off-site source onto the Base. Mr. Fontenot answered that the Navy, the regulators, and those responsible for the contamination would work together in determining action and responsibility.

Mr. Mintz asked if there are any tests that can be done to determine if the petroleum product is commercial or industrial grade to help determine its source. Mr. Hunt noted that Mr. Mintz made a good point and that there are such tests called fingerprinting. However, results found off-base during the current sampling will help to determine the next step.

Mr. Bourne asked if any contamination has been found off base. Mr. Hunt replied that sampling just began on Wednesday 9/25/96 and it generally takes 10 days for sampling results to come back. The Navy hopes to have results back by the next RAB meeting.

Ms. Gussie Greene requested that the results of the sampling be provided in writing. Mr. Fontenot replied that they will be provided in writing to the City through local officials. Mr. Fontenot added that additional information regarding the environmental cleanup can be found in the information repository at the Dorchester Road Regional Library at 6325 Dorchester Road.

Mr. Copes Wannamaker stated that he is a resident who lives in the vicinity of the current off-base sampling and that he has a shallow well on his property. He asked what recommendations the Navy has regarding the well. Mr. Hunt reiterated that there is not a human health risk, but if Mr. Wannamaker has a concern about the water quality of the well, the Navy will be glad to take a sample of it.

9. Wrap Up

Mr. Fontenot wrapped up by summarizing the purpose of the meeting: To inform the city and the community about the off-base sampling due to the findings at SWMU 39. He reiterated that the Navy is working on quickly assessing the situation and already has a sampling team in the field pulling samples. The Navy is working in cooperation with local officials and state and federal regulators. At this time there are no known or suspected health risks.

The next RAB meeting will be held on Tuesday, October 8 at North Charleston City Hall in city council chambers from 6:30 - 8:30 p.m. The project team will be available from 6:00 - 6:30 for informal discussions and to answer any questions.

10. Adjournment

Attachments to Minutes

(1) Thursday September 26, 1996 Special RAB Meeting Agenda

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

Minutes approved by:

Daryle Fontenot
Navy Co-Chair

Don Harbert
Community Co-Chair

Thursday, September 26, 1996

CHARLESTON NAVAL BASE

**SPECIAL RESTORATION ADVISORY BOARD MEETING CONCERNING THE
INVESTIGATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) 39**

6:00 P.M. Location: North Charleston United Methodist Church, Davis Fellowship Hall,
1125 Montague Avenue, North Charleston, SC

MEETING AGENDA

- | | |
|---|-----------------|
| A. WELCOME | Daryle Fontenot |
| B. PURPOSE OF THE SPECIAL RAB MEETING | Daryle Fontenot |
| C. INTRODUCTION OF THE RAB MEMBERS | Daryle Fontenot |
| D. REMARKS FROM THE MAYOR OF NORTH CHARLESTON | Mayor Summey |
| E. TECHNICAL PRESENTATION CONCERNING SWMU 39 | Tony Hunt |
| F. QUESTIONS AND ANSWERS CONCERNING SWMU 39 | Daryle Fontenot |
| G. WRAP UP | Daryle Fontenot |

Please mark your calendar. The next RAB meeting is TUESDAY OCTOBER 8, 1996 at the North Charleston City Hall, City Council Chambers at 6:30 P.M.

VISITOR'S SIGN-IN SHEET

Date 26 Sep 96

NAME	ORGANIZATION	PHONE NO.
Alicia Cutter	EnSafe/Allen & Hershell	919 851-1880
Todd Haverkost	E/S/H	803-884-0029
Brian Stockmaster	Southern Division	803 820-7481
Jim Rahn	Calys	903-852-1764
Tony Hunt	Southern Division	803-820-5525
RUE TAYLOR	CD N.CHA NEIGHBORHOOD COUNCIL	744-2365
CHRISTINE COOPER	ICBHEC - TRAINING	740-1590
James Anthony	NCPD	
Alicia Fielding	Southern Division	803-820-5513
GEUE EATON	ATLANTIC DRILLING Corp	740-0074
David J. Jorg	Southern Division	803-820-7307
Kindred R. Brown	Southern Division	803/820-5941
James Barne		
AKA [unclear]	- Warramaker	
AKA [unclear]		
- June Miracki		