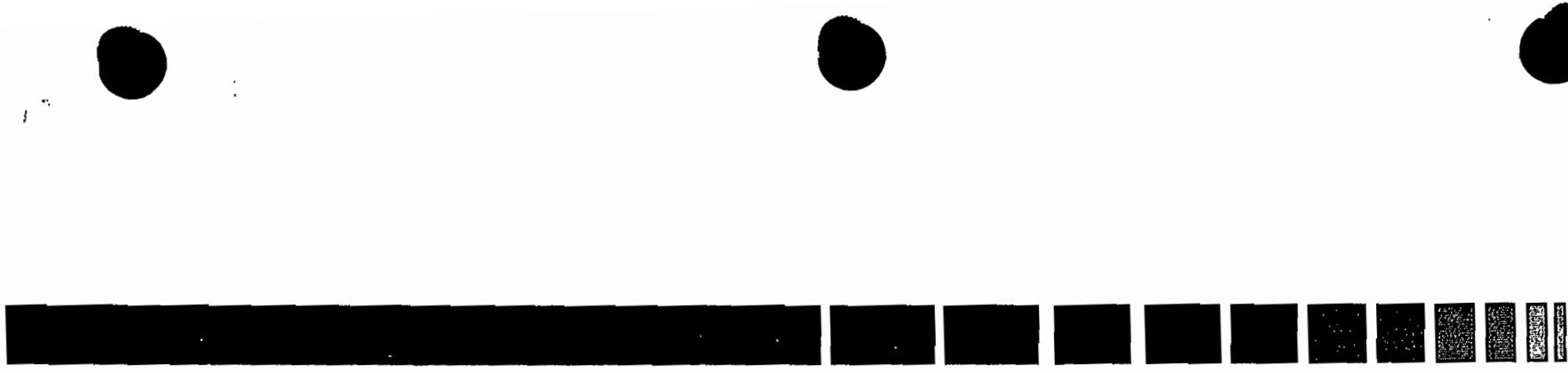


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ENVIRONMENTAL SOLUTIONS OPEN HOUSE 11 JANUARY 1996 MEETING NCBC
GULFPORT MS
1/11/1996
NCBC GULFPORT



Environmental Solutions Open House Meeting Summary

*January 11, 1996
28th Street Elementary School
Gulfport, Mississippi*

NCBC Gulfport Administrative Record
Document Index Number
39501-GENERAL
13.03.00.0013

Attendance

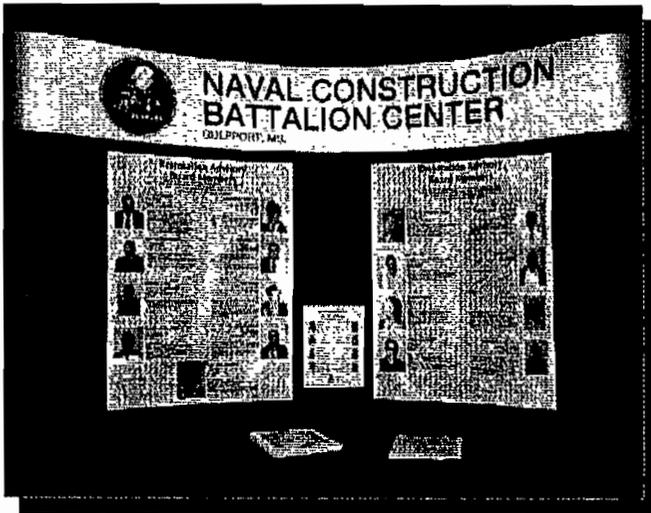
- Gulfport's Seabee Center teamed with their Restoration Advisory Board (RAB) to provide the community with information about the Center's environmental program.
- The session was held in two parts:
 - 8:30 a.m. to 10:00 a.m.
 - » 250 fourth, fifth, and sixth graders
 - 5:00 p.m. to 8:00 p.m.
 - » 43 adult community members (see attendees sign-in list, Attachment A)
- Advertisement of the open house was handled by the Center's Public Affairs Office and the RAB members.
 - 4,000 flyers were distributed to school children, neighborhoods, and public locations such as libraries and local businesses (Attachment B).
 - Radio and newspaper announcements
 - Telephone contacts



The Restoration Advisory Board's Community Co-Chair signs in at the open house.

Presentation Boards

■ The Restoration Advisory Board (RAB)



The RAB station provided a brief description of the Center's citizen advisory board and identified each of the members with a photo and a brief biographical sketch.

■ RAB station handouts included:

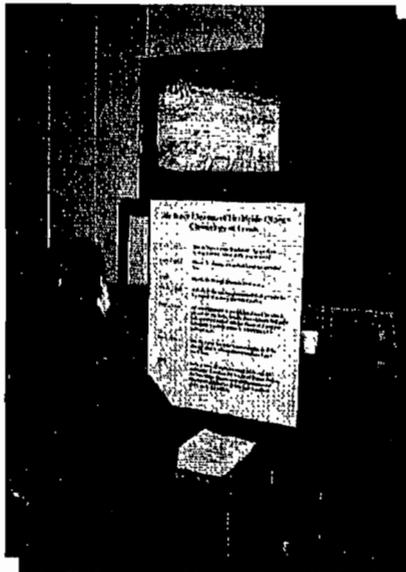
- information about the board (Attachment C)
 - » descriptions
 - » photos
 - » biographical information
- RAB membership application (Attachment D)
- Fact sheet describing the role of the RAB (Attachment E)



Steve Dickerson, the Community Co-Chair, and CDR Zink, the Navy Co-Chair, share a conversation at the RAB station.

Presentation Boards

- Air Force's Cleanup of Herbicide Orange
 - A handout showing the information on the poster "Chronology of Events" was provided (Attachment F).



A video provided by the Air Force was shown along with a poster explaining the activities associated with the Herbicide Orange cleanup.

- The Installation Restoration Program

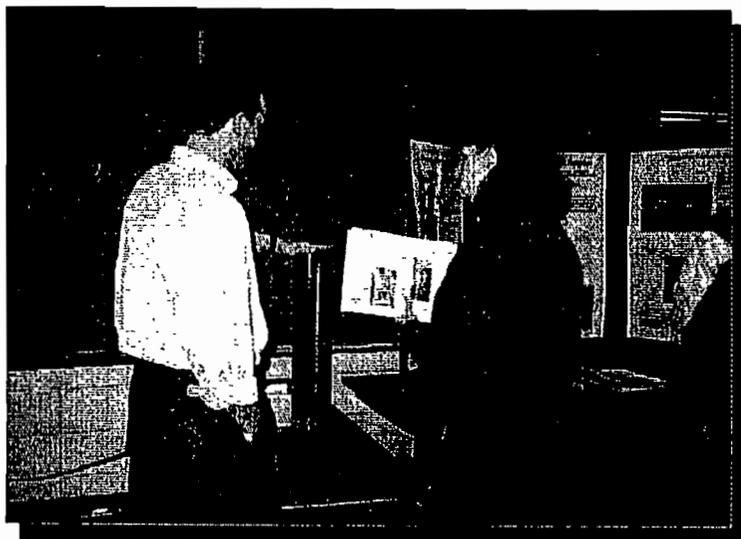


Bob Fisher, a project scientist, described completed and current cleanup actions at the Center, including groundwater treatment, removal of sediment along 28th Street, and use of sediment recovery traps.

Presentation Boards

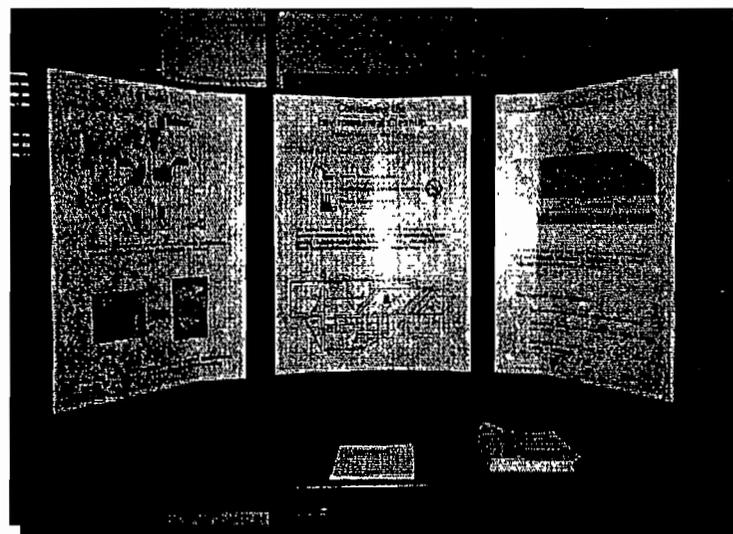
- The Installation Restoration Program

- A copy of the posters were provided as a handout (Attachment G).



Bob Fisher demonstrates a model air stripper to describe the groundwater treatment method used at the Center.

- Continuing the Environmental Cleanup



Continuing the cleanup could involve removal of drums from landfills or building a "cap" over contaminated soils.

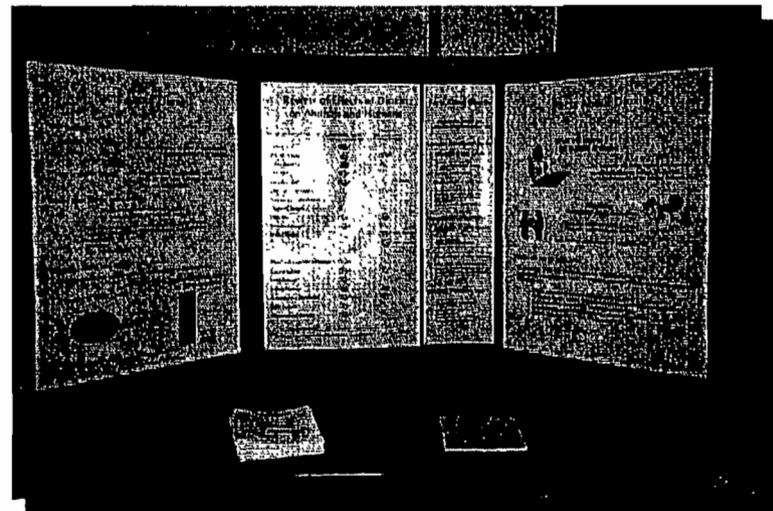
Presentation Boards

- Continuing the Environmental Cleanup
 - A copy of the posters were provided as a handout (Attachment H).



Art Conrad, the Navy's engineer in charge of Seabee Center's cleanup, explained their approach for continued improvement of the environment.

- Facts about Dioxin



Both sides of the debate surrounding the health effects of dioxin were discussed at the open house, including effects measured in laboratory animals and the effects observed in humans who were accidentally exposed to the chemical.

Presentation Boards

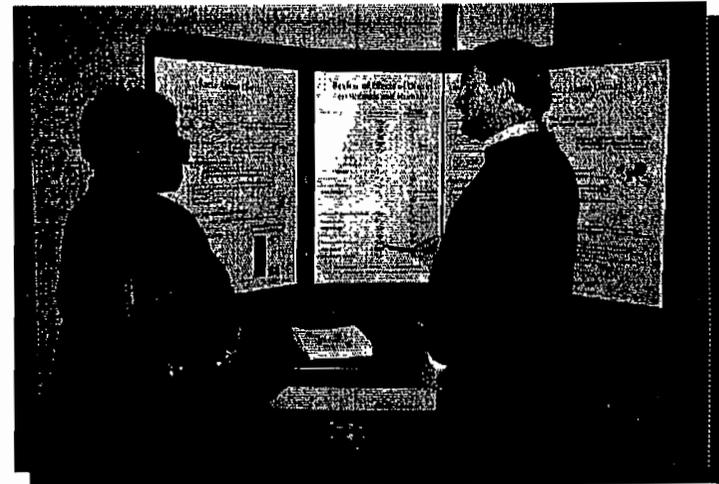
■ Facts about Dioxin



Dr. Marland Dulaney, the project's toxicologist, was available to answer questions about the health effects of dioxin.

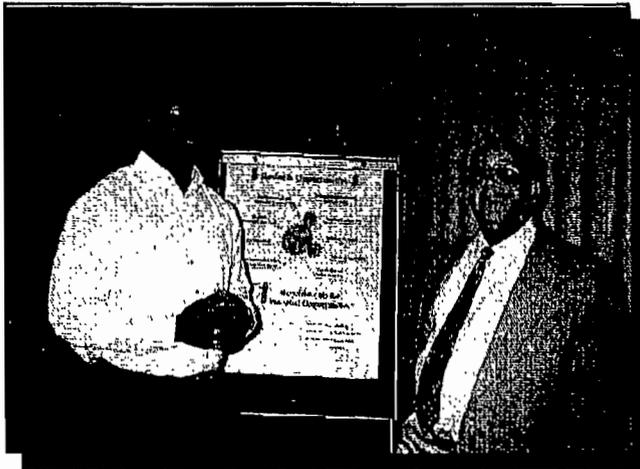
■ Facts about Dioxin

- A copy of the posters were provided as a handout (Attachment I).
- Fact sheet 16, information about the upcoming exposure assessment, was provided (Attachment J).



Dr. Dulaney reviews the dioxin boards with an interested community member.

Presentation Boards



Information on potential business opportunities associated with the environmental program was made available to the community.



Procurement Specialist Lee Greene spoke with citizens and community leaders about the U.S. Government's commitment to finding qualified small and disadvantaged businesses to assist in the environmental cleanup program.

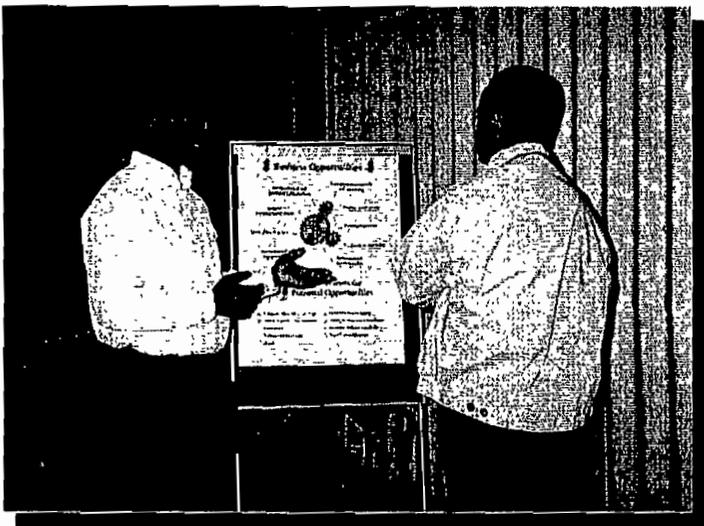
Presentation Boards

■ Business Opportunities

- A copy of the posters were provided as a handout (Attachment K).

■ Other Meeting Handouts

- Fact sheets (1 through 17) and the program brochure were made available.



Mr. Greene discussed how local businesses could be involved in an environmental cleanup.

■ Meeting Evaluation

- A meeting evaluation form (Attachment L) was provided to all attendees.
- Sixteen forms were completed and submitted.
 - » All reviewers agreed that the information was well presented and useful.
 - » Two requests asked for broader advertisement of future meetings.
 - » Two requests suggested holding meetings at a "more convenient" time.



All meeting participants were asked to complete an evaluation form.

ATTACHMENT A
MEETING ATTENDEES

Attachment A
Meeting Attendees

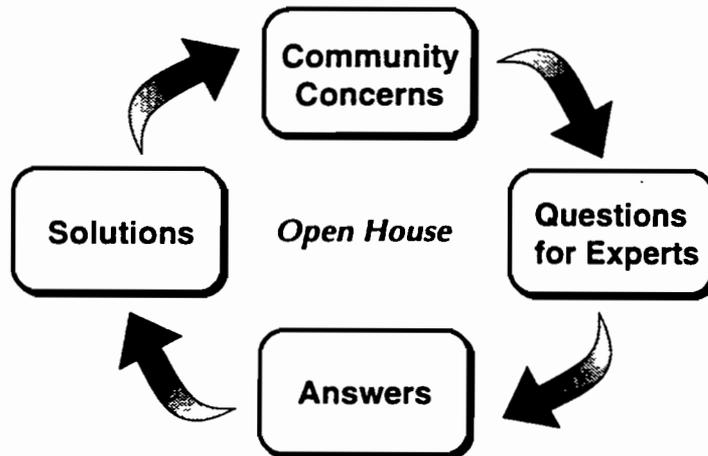
Community Members		Support Personnel
1. Arnet Fairley	23. Susan Noble	1. Penny Baxter
2. Margie Schonts	24. Tameco M. Wilson	2. Nancy Brooks
3. Julie May	25. Dorothy Walker	3. Art Conrad
4. Tracy Sellers	26. Raymond Rose	4. Gordon Crane
5. Renee' Mauffray	27. Ruth Uecker	5. Marland Dulaney
6. Lisa Couey	28. Gurtha Mathews	6. Bob Fisher
7. Gail Chambliss	29. Steve Dickerson	7. Lee Greene
8. M. Ward	30. T.J. Eure	8. Nancy Rouse
9. Laura Ditcharo	31. C. Denise Daughtry	
10. Audrey Bousqueto	32. Bill Spaulding	
11. Cherie Schulz	33. Barbara Thomas	
12. Harry Roullier	34. Rev. Lee. J. Adams, Jr.	
13. Cynthia Schmitt	35. Donald Harder	
14. Leon Theodore	36. Shirley Harder	
15. Retha Longmire	37. CDR John Zink	
16. Laura Longmire	38. Carolyn Rushing	
17. Lenard Anderson	39. Rudolph W. Merrell	
18. Jean Anderson	40. James Jakes	
19. Beth Toussaint	41. Newell D. Schulz	
20. Eric Maaya	42. Oliver Kutther	
21. V. Loffon	43. Rev. James Black	
22. D. O'Sullivan		

ATTACHMENT B
ENVIRONMENTAL SOLUTIONS
OPEN HOUSE

Environmental Solutions Open House

*A chance to find out about the Seabee Center's
Environmental Program and to speak with the experts*

Presented by:
the Seabee Center's Restoration Advisory Board and invited experts



Where: 28th Street Elementary School Cafeteria
2810 34th Street, Gulfport

When: Thursday, January 11, 1996
5pm to 8pm

We encourage you to attend the Seabee Center's Environmental Solution Open House.
Experts will be available to listen to and answer questions about:

- Restoration Advisory Board
- Past and future environmental solutions
- Dioxin
- Possible business opportunities

ATTACHMENT C
RESTORATION ADVISORY BOARD MEMBERS

Restoration Advisory Board Members

Over the last two years, Restoration Advisory Boards, or RABs, have been set up at military bases all over the United States. At the Seabee Center, the RAB has been set up to provide an opportunity to discuss the Center's environmental programs with you, our neighbors.



Steve Dickerson

2309 15th Street
P.O. Box 1780
Gulfport, MS 39501
(W) 878-5772 or (H) 896-5717

- RAB Community Co-Chair.
- Public Affairs Manager for the City of Gulfport.
- Civic activities include Board of Directors of Mississippi March of Dimes, Magnolia Division; Gulfport School District Strategic Planning Committee; and University of Southern Mississippi Gulf Coast Development Advisory Committee.
- Interested in getting information about the Seabee Center's environmental program into the city.

Commander John Zink

Executive Officer
Naval Construction Battalion Center
5200 CBC 2nd Street
Gulfport, MS 39501-5000
871-2202

- RAB Navy Co-Chair.
- Executive Officer of the Seabee Center since July 1995.
- Joined the Navy's Civil Engineering Corps in 1979.
- Registered architect and a former president of a post of the Society of American Military Engineers.



Reverend Lee Adams

1515 Rich Avenue
Gulfport, MS 39501
863-7065 or 864-1255

- Pastor of the Little Rock Missionary Baptist Church for the past three years.
- Formerly employed at the Seabee Center in the Navy Supply Department.
- Interest in the RAB stems from his concern about any issue that could affect the members of his church.

David Albright

807 Hardy Avenue, #1
Gulfport, MS 39501
864-2052 or 863-8700

- Director of Design Technology, a non-profit organization for researching use of solar energy in homes and businesses.
- Registered architect.
- Currently working with biological methods for cleaning up oil, grease, and other hazardous wastes.



Gordon Crane

Naval Construction Battalion Center
5200 CBC 2nd Street
Gulfport, MS 39501-5000
871-2485

- Manager of environmental programs at Seabee Center.
- Involved with the Center's environmental program.
- Very interested in hearing the community's interest, ideas, and concerns about the Center's environmental program.

Edie Dreher

100 24th Street
Gulfport, MS 39507
864-2775 or 831-1647

- Commissioner with the Harrison County Soil and Water Conservation District.
- Currently active in developing the Cower Thornton Nature Area part in Gulfport.
- Her interest in the RAB stems from her active concern in the environment, particularly the preservation of natural resources.



Hurd J. Gaddy, M.D.

18072 Commission Road
Gulfport, MS 39501
863-4000

- Retired physician.
- Owns and lives on property that touches the Seabee Center's property on two sides.
- Interest in the RAB comes from discussions with relatives who work in the environmental field and his close proximity to the base.

Jimmie Jenkins

5113 Old Pass Road
Gulfport MS 39501
(H) 868-5848 or (W) 864-4465

- Councilman for the City of Gulfport.
- Member of the Board of the Salvation Army, Chairman of Feed the Needy, and member of the West Gulfport Civic Club.
- Interest in the RAB comes from his interest in the environmental condition of the base.



Retha Rose Longmire

1112 Iris Street
Long Beach, MS 39560
868-7835

- Retired architect.
- Former owner and operator of the House of Nylor, makers of custom draperies and bedspreads.
- Interested in the RAB because her deceased husband had been exposed to environmental hazards during his career.



ATTACHMENT D
RESTORATION ADVISORY BOARD
APPLICATION FORM

NAVAL CONSTRUCTION BATTALION CENTER
RESTORATION ADVISORY BOARD

APPLICATION FORM

NAME _____

ADDRESS _____

CITY/STATE _____ ZIP _____

PHONE (home) _____ (work) _____

How far do you live from the Seabee Center? _____

Why are you interested in serving as a RAB member? _____

Please add a short biography on yourself.

ATTACHMENT E
INSTALLATION RESTORATION PROGRAM
FACT SHEET NO. 2



NAVAL CONSTRUCTION BATTALION CENTER Gulfport, Mississippi Installation Restoration Program

2

This fact sheet is the second in a series informing interested citizens of the environmental investigations and remedial actions at CBC Gulfport. Fact sheets will be produced at program milestones and in response to other items of public interest. Distribution is coordinated through the Public Affairs Office at CBC Gulfport, telephone: (601) 871-2393.

FACT SHEET 2: Formation of a Restoration Advisory Board

The Naval Construction Battalion Center (the "Seabee Center") is currently expanding and improving public involvement opportunities in the environmental cleanup program. Our first step is the formation of a Restoration Advisory Board (RAB). Our current Technical Review Committee will be expanded by adding

members from the local community. Community members who reflect the diverse interests of our local community will be selected to participate on this board. The RAB will create a greater opportunity for community members to provide input into decisions made regarding the Navy's environmental programs at the Seabee Center.

What is a RAB?

The Restoration Advisory Board (RAB) is a forum for the discussion and exchange of environmental information among members of the community, representatives of the Navy, and local, State, and Federal regulatory agencies. The RAB will advise the Seabee Center on environmental issues and will act as a focal point for the exchange of information between the Seabee Center and the local community.

What does the RAB do?

The RAB will serve as a link between the community and the Navy for exchange of ideas on environmental cleanup. It will bring together community members who reflect the diverse interests within the local community, enabling the early and continued two-way flow of information, concerns, values, and needs between the community and the Seabee Center.

RAB meetings will be open to the public and will be held at regular and convenient times and locations. Meeting minutes will be made available to the public and placed in the Information Repository at the Gulfport Harrison County Library. (See Fact Sheet 1 for more information on the Information Repository.)

ATTACHMENT F
AIR FORCE CLEANUP OF HERBICIDE ORANGE
CHRONOLOGY OF EVENTS

Air Force Cleanup of Herbicide Orange

Chronology of Events

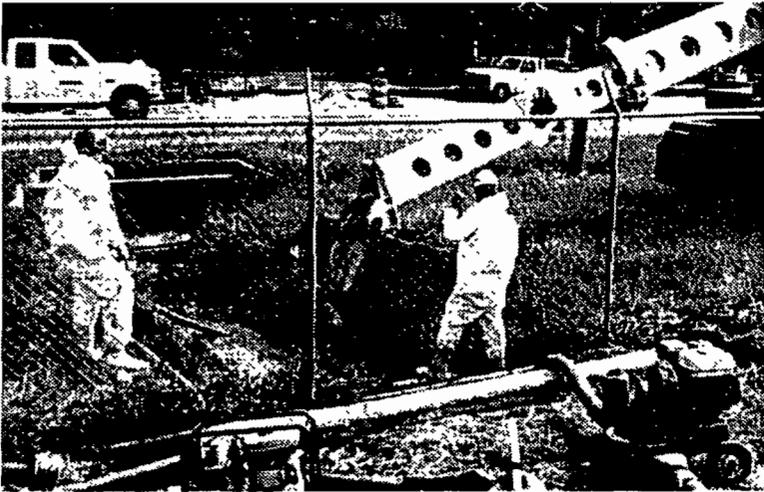
- 1968 - 1977 The Air Force stored Herbicide Orange at the Seabee Center. Some of the drums leaked.
- 1977 - 1984 Herbicide storage areas monitored for potential leaks.
- 1979 Herbicide Orange drums burned at sea.
- 1984 - 1988 A study of the soil was performed to determine the location and amount of contamination.
- 1985 - 1986 An investigation was completed to look for dioxin on and off the base. Results showed levels that were below USEPA's standards for dioxin of 1 part per billion (or 1 part of dioxin in 1,000,000,000 parts of soil).
- 1986 - 1988 The Air Force burned contaminated soils at the storage area to reduce dioxin levels to 1 part per billion.
- 1990 Federal laws allow states to establish stricter standards. Based on the results of animal studies, the Mississippi Department of Environmental Quality established an action level for dioxin of 4.7 parts per trillion.

ATTACHMENT G
INSTALLATION RESTORATION PROGRAM
REMOVAL OF SEDIMENTS ALONG 28th STREET

Installation Restoration Program

The Installation Restoration Program is the Department of Defense's effort to cleanup the environment on military bases throughout the United States

Removal of Sediments along 28th Street



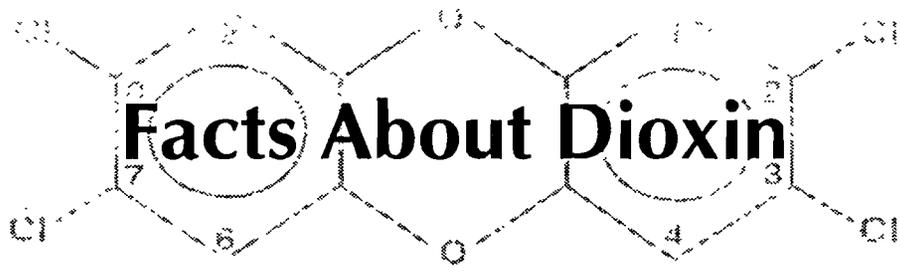
Sediments (soil in ditches) containing the chemical dioxin were removed from the ditches along 28th Street. The work was done in the middle of July 1995 to prepare for widening of the road.



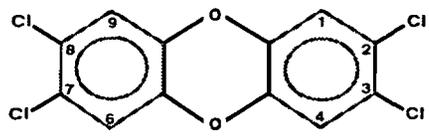
A total of nearly 500,000 pounds of sediment were removed. After the contaminated sediments were removed, the sediment remaining in the ditches was tested again. The sample results met the Mississippi Department of Environmental Quality standard for the chemical dioxin (4.7 parts per trillion).

ATTACHMENT H
CONTINUING THE ENVIRONMENTAL CLEANUP
POSSIBILITIES FOR THE FUTURE

ATTACHMENT I
FACTS ABOUT DIOXIN



What is dioxin?



→ There are 75 forms of dioxin but only 15 forms are believed to be harmful.

Where is dioxin found?

→ Dioxin is found throughout the world in the air, soil, water sediment, fish, shellfish, meat, and dairy products.

Where does dioxin come from?

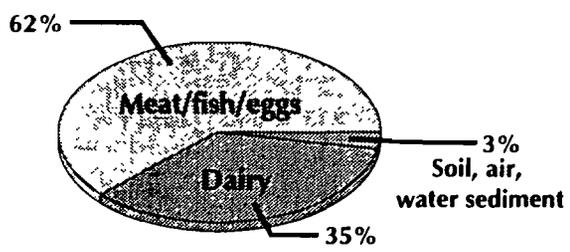
Dioxin is not intentionally made, instead it is a result of making the following products:

- ✓ Paper mills (amount has been lowered by 90% in the last 10 years)
- ✓ Production of chemicals to kill plants and germs (not allowed now)
- ✓ Incinerators
- ✓ Forest fires
- ✓ Recycling automobiles

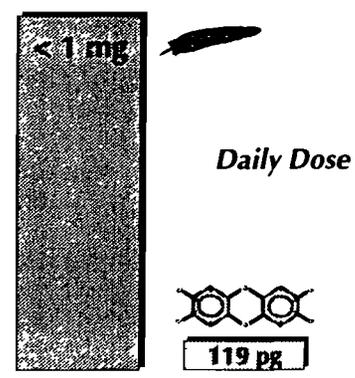
How do I come into contact with dioxin?

You come into contact with very small amounts of dioxin everyday.

Source of Daily Contact



Estimated Dioxin Dose for North Americans



Based on U.S. Environmental Protection Agency 1994 Report

ATTACHMENT J
INSTALLATION RESTORATION PROGRAM
FACT SHEET NO. 16



NAVAL CONSTRUCTION BATTALION CENTER

Gulfport, Mississippi
Installation Restoration Program

16

The Installation Restoration (IR) program is an environmental program conducted nationwide by the Department of Defense to identify and address contamination from past practices that do not meet today's environmental standards. This fact sheet is the 16th in a series informing interested citizens about the IR program at NCBC Gulfport. Fact sheets will be produced at program milestones and in response to other items of public interest. Distribution is coordinated through the Public Affairs Office at NCBC Gulfport, (601) 871-2393.

FACT SHEET 16: The Exposure Assessment

What is an exposure assessment?

The Seabee Center will soon begin a study to determine if chemicals found on and near the base have the potential to cause health or environmental problems. This study is called an exposure assessment.

The exposure assessment looks at possible ways in which people, plants and animals could come in contact with or "exposed" to a particular material. If there is no contact with a chemical, then no adverse effects will occur in people, plants, or animals.

How will the exposure assessment be done?

There are three steps in the exposure assessment. First, a survey is completed to determine: 1) the people who live in the study area and the presence of plants and animals; 2) if there is any way for a contaminant to come in contact with people, plants or animals.

In the second step, health information gathered by State and Federal government health and environmental organizations is reviewed and compared with the results of the survey.

In the third step, the data from previous studies, the exposure assessment survey, and the government health organizations are summarized into a more complete understanding of the site.

Where will the surveys take place?

The surveys will look at the ditch systems both on and around the Seabee Center.

What will we look at during the survey?

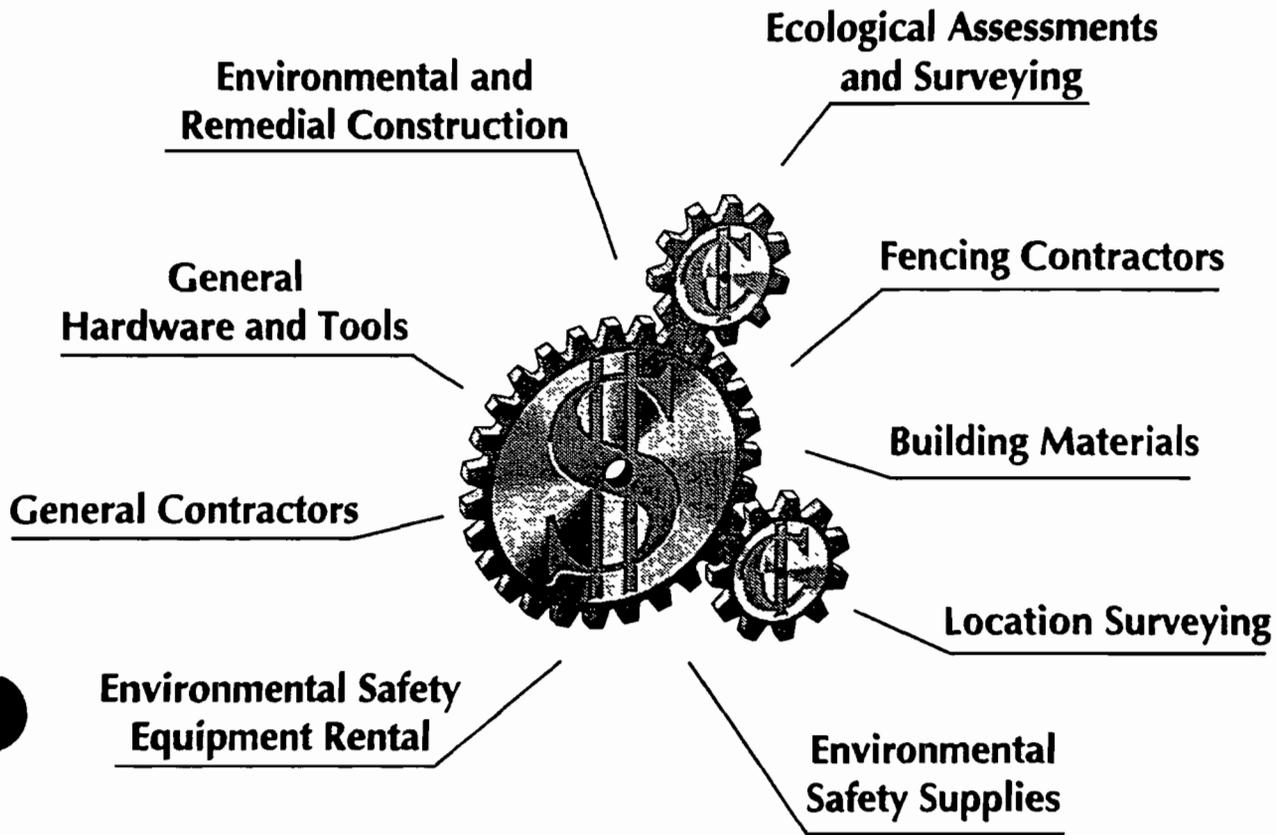
The survey will look for five things:

1. *The composition of the local human population*, including location of homes near the ditch system. Because chemicals can affect people of various age groups differently, we will look at where people of different ages live within the community.
2. *Composition of the environmental population*. The kinds of different plants and animals that live in and around the ditch system.
3. *Local conditions*, including weather, soil or sediment type, plants, and speed of water movement in the ditches. This information will help us understand the ways in which chemicals can move in the environment.
4. *Possible exposure routes*. All possible routes for exposure to chemicals will be evaluated. These may include eating or touching sediment in the ditches; swimming or drinking the water in the ditches; breathing suspended soil particles; or eating fish or other animals collected from the ditch system. Similar routes of exposure will be examined for plants and animals.
5. *Local population health statistics*. The other thing that we look at is the current health of the community and plants and animals living there.

ATTACHMENT K
BUSINESS OPPORTUNITIES



Business Opportunities



Requirements for Potential Opportunities

- Adequate Insurance Coverage
- OSHA Trained Crew Members
- Experience
- Professional Licensing
- Quality
- Flexibility in scheduling
- Ability to meet short lead times
- Next day delivery capability
- Price Competitiveness

ATTACHMENT L
ENVIRONMENTAL SOLUTIONS
OPEN HOUSE

8. Is there anything we should have done differently in presenting this material?

Please feel free to add any additional comments or questions.

9. Is there any additional information that you would like to receive?

10. Please add your name to our mailing list to receive information about NCBC Gulfport's environmental cleanup program.

Name _____

Address _____

City _____ State _____ Zip _____