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INSTALLATION RESTORATION PROGRAM NEWSLETTER JUNE 1995 NSB KINGS BAY GA
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NAVAL SUBMARINE BASE



ENVIROUPDATE

KINGS BAY, GEORGIA

Installation Restoration Program Newsletter

June 1995

Volume 1, Number 6

This newsletter is provided to the community on a quarterly basis or when significant developments occur in the environmental program. Copies of previous editions of EnviroUpdate can be obtained through the Public Affairs Office. For more information, contact Robert Steller, Public Affairs Office, (912) 673-4714.

NEW BEGINNINGS RESTORATION ADVISORY BOARD

An important component of SUBASE's environmental cleanup program is the community's involvement through the Restoration Advisory Board (RAB). The purpose of the RAB is to ensure that all interested parties have an opportunity to actively participate in the review of cleanup documents and plans, and to provide community input into SUBASE's environmental cleanup decisions.

SUBASE has transitioned its Technical Review Committee (TRC) to the RAB by increasing the number of community representatives on the board. Interested citizens were encouraged to apply for membership on the RAB to facilitate the two-way communication efforts between community members, the Navy, and regulatory agencies. Six community volunteers were recently notified of their selection to serve on the RAB along with seven representatives from the Navy, State and Federal environmental agencies, and local officials. The Navy recently held a kick-off meeting with the RAB to discuss its role and members' responsibilities, to determine both frequency and location of future meetings, and to get to know each other.

Lieutenant Junior Grade Kristin Burbage is the Navy's Co-Chair; a Community Co-Chair will be elected by the community members. The Navy and Community Co-Chairs will work as equal partners, jointly leading the RAB and ensuring that appropriate issues are raised and discussed.

The RAB is the focal point in SUBASE's comprehensive public involvement program. It provides an opportunity for the community to work directly with the individuals who will make the cleanup decisions on important environmental issues. **All RAB meetings are open to the public and will be announced through our local newspapers. We hope to see you at one of our RAB meetings so you can learn more about our environmental program!**

SUBASE Thanks the following Community Members for Serving on the Restoration Advisory Board:

Richard King

William Blankenship

John Linnehan

Carl Johnson

Robert Farris

Monty Thrasher

*They will serve with two Navy representatives
and one representative from the following:*

St. Marys, GA

Camden County

Georgia Department of Transportation

U.S. Environmental Protection Agency

Georgia Department of Natural Resources

in the Field

Chemicals in Landfill

surprising because the samples were in such close contact with the buried wastes. This information suggests that the source of the chlorinated solvents is depleted, was possibly the result of a one time disposal of "uncontained" liquid, and/or is very small in relation to the size of the landfill.

In addition, analysis of samples collected from surface soil at the landfill, sediment and surface water in Porcupine Lake, and of air samples indicate these areas have **not** been adversely affected by releases from waste contained at the landfill.

The analytical data from samples collected during the RFI field investigations, as well as data from previous field programs, will be carefully evaluated over the next few months. A team of specialists will work together to interpret the data and prepare the following reports: the final RFI report, the **Health and Environmental Assessment**, and the **Corrective Measures Study/Corrective Action Plan**. These reports will be available later this year and early next year.

In the meantime, SUBASE is continuing the interim measure to effectively contain the groundwater most affected by the landfill. This involves pumping groundwater out of the ground and treating it by a process known as **air stripping**. SUBASE is also assessing long-term treatment options that will enhance the air stripping system. SUBASE may collect data and conduct a **treatability study** to test a promising technology known as *in situ* bioremediation (see *EnviroUpdate*, March 1995).

highlighted terms

Corrective Measures Study/Corrective Action Plan: An engineering and comparative analysis of potential cleanup technologies or corrective measures for the landfill. With community input a final corrective measures is selected.

Air Stripping: The technology used to clean up the groundwater that is affected with chlorinated solvents. In a pressurized vessel, a stream of air is forced through the affected water and the contaminants evaporate into the air. The air is then further treated.

Treatability Study: Testing a treatment method on contaminated groundwater or soil to determine whether and how well the method will work.

Community Q&A

When is the next public information session?

The Navy is planning to hold its 8th public information session in midsummer 1995. The purpose of this meeting will be to communicate the results of the RFI field investigations and to provide information on the status of the environmental cleanup activities.

The Navy, environmental engineers, other specialists, and Restoration Advisory Board members will be available to discuss the status of the Old County Landfill site, future actions, and answer any questions you may have about SUBASE's cleanup program. The expected format for the meeting is an informal poster session followed by a brief presentation by the Navy and a one-on-one availability period.

Information on the exact date and time will be publicized in the *Periscope*, *Southeast Georgian* and the *Florida Times Union*. For further information, contact Robert Steller at the Public Affairs Office, (912) 673-4714.

What is the Administrative Record?

The Administrative Record is a file of documents and other materials that is established and maintained for easy review by the community. It contains the information used by the Navy and regulatory agencies to select the best cleanup solution for the Old County Landfill. It includes technical reports specific to the landfill and pertinent correspondence and information related to the cleanup. The Administrative record is available at SUBASE and the St. Mary's Library to encourage public participation in the cleanup decisions. The record is complete through December 1994 and an update for the period January through June 1995 is underway.

What's the News at SUBASE?

Commander Patterson, Thanks and Good Luck!

Over the last three years, Commander Mike Patterson has been instrumental in steering the environmental ship at SUBASE. In addition to his responsibilities as Assistant Public Works Officer at SUBASE, he worked extensively on the landfill's cleanup program with Captain Scullion and more recently with Captain Allen.

Commander Patterson expanded the community's involvement in the IR program by helping form the Restoration Advisory Board. His contributions to the cleanup program have been significant. SUBASE and the community will miss his leadership. Commander Patterson and his family are transferring to the Marine Corps Air Station at Cherry Point, NC, where he will assume the position of Public Works Officer.

Welcome Aboard!

Lieutenant Junior Grade Kristin Burbage has been working in Facilities and Environmental with Captain James Allen and Commander Mike Patterson since October 1994. Previously she was stationed at Diego Garcia in the Indian Ocean as the Assistant Resident Officer in Charge (ROIC) of Construction. At SUBASE, she will be actively involved in the cleanup activities at the landfill as the Navy's Co-Chair of the Restoration Advisory Board. In this role Lieutenant Junior Grade Burbage will work closely with the Community Co-Chair to lead the RAB and foster a partnership among the Navy, community, and regulatory agencies. She is looking forward to working with many of you more closely and hopes to see you at RAB meetings and public information sessions.



Results Indicate No Widespread Source of

Field work associated with the RCRA Facility Investigation (RFI) at the Old County Landfill, was completed in November 1994, and the results were summarized in a Technical Memorandum published in May 1995. A copy of this document is available for review in SUBASE's Information Repository at the St. Mary's Library.

Field work was conducted to collect additional data and, if possible, locate the source(s) of contamination. The field investigations included digging test trenches into the buried waste in the landfill and taking samples, monitoring air quality in the landfill and adjacent to the Crooked River Plantation subdivision, and sampling of Porcupine Lake.

Field personnel were able to visually observe the nature of the waste in the trenches. They were looking for wastes that could be the source of **chlorinated solvents** in the groundwater. The observed waste in the landfill was primarily household garbage, and also included a few large appliances, a motorcycle, and a jeep. This waste is not usually related to the types of chemicals found in the affected groundwater under the landfill and subdivision. In addition, several 5 and 10 gallon cans were observed and the contents sampled. Analytical results show no chlorinated solvents present in this material.

Soil and water samples were collected from the trenches in the landfill and were sent to a laboratory for chemical analyses. The results indicate that the samples did not contain chlorinated solvents and in fact showed very little contamination at all. These results were

Glossary.... for h

Chlorinated solvents: Solvents are liquid compounds capable of dissolving other substances. When these compounds contain chlorine atoms, they are referred to as chlorinated solvents. Chlorinated solvents have been found in the groundwater under the landfill and subdivision. Many chlorinated solvents are commonly used in industrial processes (electroplating, large-scale painting and stripping operations). Ordinary household solvents include paint thinner and mineral spirits.

Health and Environmental Assessment: A study that is conducted to determine if the affected groundwater in the area of the landfill presents a current or potential threat to human health and the environment.

Questions & Answers

Naval Submarine Base Kings Bay - who to call:

For general questions or information about SUBASE and the environmental program, contact:



Robert Steller
Public Affairs Officer
(912) 673-4714



An Information Repository containing documents related to the environmental cleanup activities at SUBASE is also available to the public.

The Information Repository is located at:

St. Marys Public Library
100 Herb Bauer Drive
St. Marys, Georgia 31558
Telephone: (912) 882-4800

Become involved in the environmental program at SUBASE. attend a RAB meeting!
These meetings are held regularly and are open to the public.
Notices will be published in the *Periscope and Southeast Georgian*.

Public Affairs Office
Naval Submarine Base
1063 USS Tennessee Avenue
Kings Bay, Georgia 31547-2606