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INSTALLATION RESTORATION PROGRAM NEWSLETTER DECEMBER 1994 NSB KINGS
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ENVIROUPDATE

KINGS BAY, GEORGIA

Installation Restoration Program Newsletter

December 1994

Volume 1, Number 3

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.

Meet Our New Team Members!

SUBASE's Installation Restoration (IR) Program welcomes Captain James Allen to its team! In July, Captain Allen took over as Kings Bay's Director for Facilities and Environment. In this position, Captain Allen began work on the environmental restoration issues at SUBASE. Captain Allen was previously stationed at Naval Station Rota, Spain where he served three years as the Public Works Officer. He is a registered Professional Engineer with emphasis in Civil Engineering as well as Construction Engineering and Management.

Mr. Ted Taylor of ABB Environmental Services Inc. (ABB-ES), the Navy's environmental consultant, is another new member of the Kings Bay team who will be instrumental in the remainder of the environmental cleanup at SUBASE. Ted replaced Frank Cater for the Kings Bay project in August 1994. As a geologist, he has over 11 years of experience in the environmental assessment of contaminated soils and groundwater with specialized skills in project management, hydrogeology, site investigations, and remediation.

Many of you met and discussed the cleanup issues with Frank Cater over the last two years. SUBASE extends a special thanks to Frank for his diligent efforts, technical capabilities, and professionalism throughout the project.

In addition, Captain Allen has three new Navy team members assisting in the IR program at SUBASE. Anthony Robinson, the Navy's Engineer-in-Charge,

supports SUBASE's activities from the Southern Division Naval Facilities Engineering Command in Charleston, SC. At SUBASE, Sandi Mukherjee, the IR Program Coordinator, and Ensign Kristen Burbage, the Environmental Officer, are working with Captain Allen and Commander Mike Patterson. *Welcome aboard new team members!*

WHAT'S HAPPENING AT SUBASE?

The Navy hosted its seventh public information session on August 18, 1994, to encourage public involvement in the environmental cleanup at SUBASE. The Navy presented information on its **Restoration Advisory Board (RAB)**, which is currently being formed at SUBASE. Applications for RAB membership from interested community members are now being reviewed. RAB members will be selected this month and member orientation and training will be provided in January (see page 2). All RAB meetings will be open to the public with the first meeting scheduled for February 1995.

Supplemental RCRA Facility Investigation (RFI) field investigations of the landfill were completed in November 1994. In an effort to collect more data and, if possible, locate the source(s) of contamination, the field investigations included digging test trenches and sampling surface soil in the landfill; monitoring air quality in the landfill area and adjacent to the Crooked River Plantation subdivision; and sampling of Porcupine Lake (see page 2). The RAB meeting in February 1995 and the next issue of *EnviroUpdate* will provide you with information about these investigations.

ATTENTION

UNCLE SAM
WANTS
YOU!

*Participate in Naval
Submarine Base's Restoration
Advisory Board and help in
our environmental cleanup
activities.*



YOUR VOICE IN THE CLEANUP *RAB Beginnings*

Kings Bay is in the process of establishing a Restoration Advisory Board (RAB) in order to promote increased community involvement and awareness of the environmental restoration program. The purpose of the RAB is to:

- Act as a forum for two-way communication between community members, the Navy, and regulatory agencies;
- Provide an opportunity for community members to advise and participate in the cleanup process; and
- Facilitate environmental cleanup activities by serving as a liaison between SUBASE and the community.

A public meeting to discuss the formation of a RAB was held on August 18, 1994. Interested citizens attended the meeting at 7:00 p.m. at the Crooked River Elementary School. The purpose of this meeting was to discuss the role and responsibilities of the RAB, solicit interest in membership, discuss the member selection process, involve community members in establishing selection criteria, and to answer any questions.

Currently, three RAB membership applications from the community have been received and are in the process of being reviewed. A selection panel will recommend members to the Commanding Officer (CO) for approval. It is the CO's responsibility to ensure that RAB membership is representative of the

local and affected community. RAB members will be selected in December and the Navy will inform the community of its selections in early January.

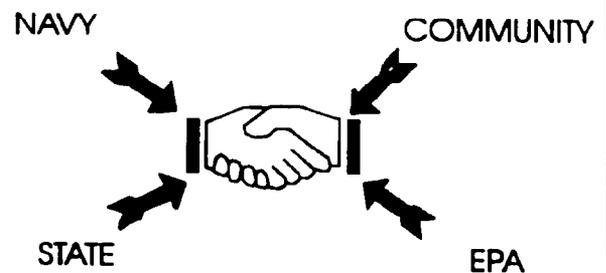
Orientation for new RAB members will begin in January to familiarize them with the status of SUBASE's cleanup activities and technical issues. The first RAB meeting, open to the public, is tentatively scheduled for mid February 1995. RAB meetings will be announced in the Periscope, Camden County Tribune, Southeast Georgian, and Florida Times Union, Georgian section, and by news releases on radio stations.

If you're interested in hearing more about the RAB, contact Bob Steller, in our Public Affairs Office.

HOW CAN YOU HELP?

PARTICIPATE!!

By attending RAB meetings
and being a part of our
Team



FIELD INVESTIGATIONS ARE OVER!

Status of Supplemental RCRA Facility

Investigation RFI field investigations of the landfill were conducted in November 1994.

Additional field investigations in and around the Old County Landfill were performed to collect environmental data that is necessary to complete the Health and Environmental Assessment (HEA) and Corrective Action Plan (CAP).

The Navy and its environmental consultant began collecting water and sediment samples from Porcupine Lake during the week of November 7. Previous results indicate that the landfill has not affected the lake's water quality. The purpose of this sampling was to continue monitoring water quality and collect more data for the next phase of the cleanup process.

Surface and subsurface soil sampling in the landfill also began in early November. Test trenches were dug and soil samples collected in an attempt to locate the specific sources of contamination. Air samples were also collected in the landfill and along the eastern edge of the Crooked River Plantation subdivision in order to monitor air quality and collect data for the HEA.

Analytical results, based on validated data are expected to be available in late January or early February. Preliminary results will be shared with you at the Navy's RAB meeting in February and in the next edition of this newsletter. Data will be further evaluated and used to prepare the final RFI Report, scheduled to be complete in late 1995.

The RFI Report for the Old County Landfill is a technical document that will present the results of the environmental investigations, including any health and environmental risks and the source of

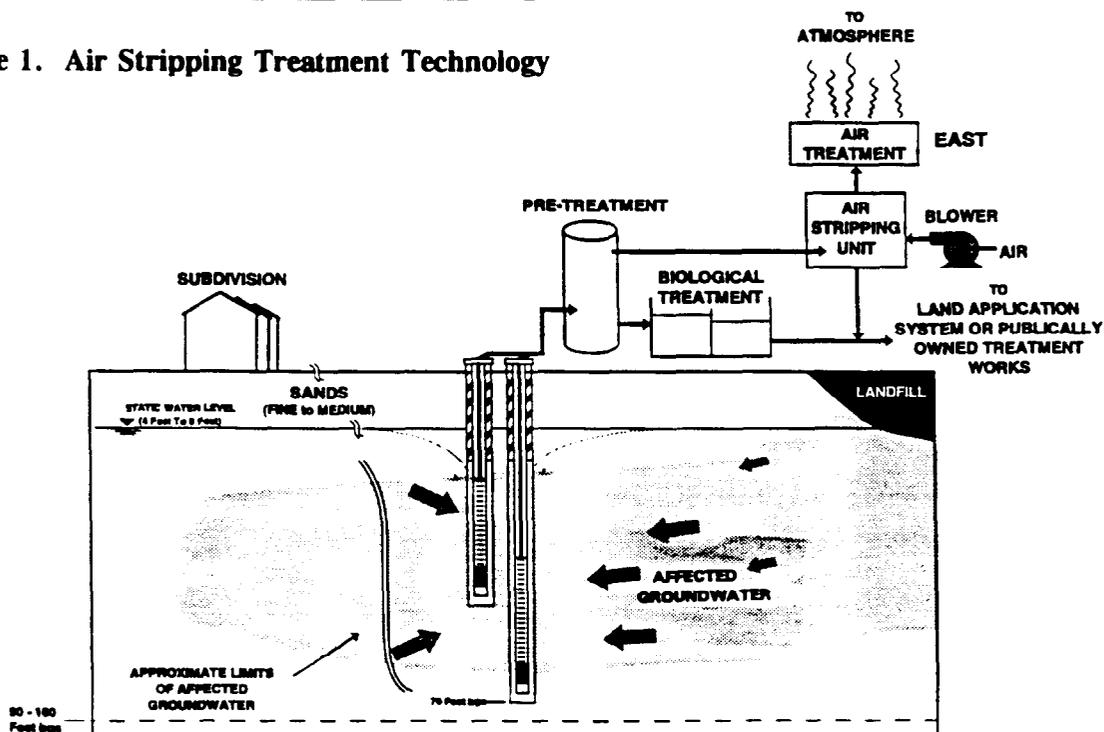
contamination, if identified. Data in this report is also used to evaluate corrective measures for cleanup at the site. In addition to other planning documents, this report may be reviewed, as it becomes available, at the Information Repository (see page 5) or the Public Affairs Office.

Corrective Action Plan (CAP)

The CAP is one of the final steps in the RCRA Corrective Action Process (see page 5). It is a document that addresses the considerations for cleanup and identifies the selected corrective measures or actions that are most appropriate for the site. As previously mentioned, the data collected from the Supplemental RFI Field Investigations and the conclusions in the Final RFI Report aid in selecting the appropriate corrective measures for the Old County Landfill site.

The draft CAP for this site is scheduled to be completed in the Spring of 1996. At that time, a public comment period will take place to allow the public to respond to the Navy's suggested cleanup actions. The draft CAP will be available in the Information Repository to ensure the public has an opportunity to review the document. Public comments will be reviewed and a final CAP prepared. Once approved by the Georgia Department of Natural Resources, SUBASE will start full-scale cleanup activities.

Figure 1. Air Stripping Treatment Technology



Community Q&A

The Question and Answer column is a regular feature in this Newsletter. We request the community to direct any questions regarding the environmental investigations and the Installation Restoration Program to Robert Steller at the Kings Bay Public Affairs Office, (912) 673-4714. Responses to these questions will be shared with the community in a future mailing of this Newsletter.

What solutions are being considered to clean up the groundwater?

Two groundwater treatment technologies (air stripping and biological treatment) were tested during the Interim Measure (Spring/Summer 1994). The data collected indicates air stripping is the most effective method for reducing the level of chemicals found in the groundwater.

Air stripping is accomplished in a completely closed system and uses simple equipment to transfer chemicals from the water to the air. The contaminants in the air are then removed from the air with activated carbon. The spent activated carbon is then treated offsite to remove the contaminants. Figure 1 on page 3 shows a model for the air stripping process.

The treated groundwater meets all applicable local, Federal, and State requirements before it is discharged through a local land application system on base. For more information on this technology and the interim measure, refer to the fact sheet entitled *Containing and Cleaning Up Contaminated Groundwater from the Old County Landfill*, available from the Public Affairs Office.

How can I get more information about the IR Program?

In addition to this quarterly newsletter, SUBASE has prepared a number of fact sheets on selected subjects and milestones in the IR program. Fact sheets that are available to the public include:

- *Public Information Session Fact Sheet, 1992*

- *Interim Measure Fact Sheet, August 1993*
- *Drilling and Monitoring Well Installation in the Crooked River Plantation Subdivision, October 1993*
- *Availability of Public Information, March 1994*
- *Containing and Cleaning Up Contaminated Groundwater from the Old County Landfill, March 1994*
- *Restoration Advisory Board Fact Sheet, August 1994*

Also, become involved in the RAB and feel free to contact a community RAB member for more information. Names of RAB members will be provided in future editions of this newsletter or through a specific announcement regarding formation of the RAB.

What is a Health and Environmental Assessment (HEA)?

The main goal of the HEA is to evaluate whether contamination present in the environment (i.e., surface and subsurface soil, surface water, groundwater, and air), presents a current or potential future threat to human health or the environment. The data received from the RFI field investigations aids in assessing the risks associated with the contamination found at the Old County Landfill. The results of the assessment will be used to make decisions concerning the corrective measures and the Corrective Action Plan.

Installation Restoration Program

WHAT IS THE INSTALLATION RESTORATION PROGRAM

Before federal environmental cleanup laws were passed by Congress, the Department of Defense developed a proactive program to address the environmental conditions created by releases of chemicals and petroleum products, from past spills and disposal practices. The Installation Restoration (IR) Program is designed to investigate and clean up environmental releases at military installations nationwide.

Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act of 1976 (RCRA) and the Hazardous and Solid Waste Amendments of 1984 (HSWA) provide a regulatory framework for the proper management of solid and hazardous wastes. This federal law established a tracking system for hazardous wastes from generation through ultimate disposal. It also provides a permitting system for facilities that treat, store, and dispose of hazardous waste to ensure proper operation.

The 1984 amendments greatly expanded the scope of RCRA to require cleanups, or corrective actions, at facilities that are seeking or subject to a RCRA permit, whenever hazardous substances are released into the environment. The RCRA corrective action process identifies solid waste management units, determines the type and extent of contamination, and identifies and evaluates appropriate solutions, or corrective measures to clean up the site.

Operating under a current RCRA permit and according to RCRA regulations, Kings Bay is conducting their environmental cleanup activities by following the steps in the RCRA Corrective Action Process (see *EnviroUpdate*, numbers 1 and 2 for more information on these steps).

If you would like to be added to our mailing list or have any comments or suggestions for future editions of *EnviroUpdate* or topics for future fact sheets, please contact:

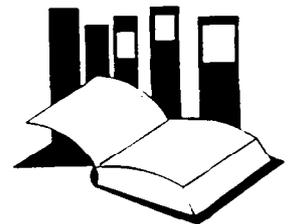
RESTORATION ADVISORY BOARD (RAB)

The RAB consists of community volunteer members and representatives from the Navy, state environmental agencies, and EPA. The function of the RAB is to ensure all interested parties have an opportunity to actively participate in the review of cleanup documents and plans, and to provide input to be considered in the decision-making process. All RAB meetings are open to the public. This will further allow the RAB to act as a focal point for the discussion and exchange of information between the Navy, regulatory agencies, and the local community regarding cleanup activities.

INFORMATION REPOSITORY AND ADMINISTRATIVE RECORD FILE

The Information Repository and the Administrative Record are placed in a location to encourage public access to Installation Restoration Program documents and plans. The Information Repository contains site information, program activities and findings. The Administrative Record includes documents which support site cleanup decisions and is continually updated as the IR Program progresses. Currently, the Administrative Record is updated through March 1994. It is being updated presently through the end of 1994 and will be available in Spring 1995. The Information Repository for SUBASE's environmental program is available at:

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



Library Hours:

Monday, Wednesday, Friday: 10:00 to 5:00
Tuesday and Thursday: 10:00 to 8:00
Saturday: 10:00 to 12:00 noon
Sunday: CLOSED

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1063 USS Tennessee Avenue
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HOW ARE WE DOING?

The Kings Bay Community Relations Program is designed to keep local citizens informed about and involved in the environmental cleanup at Kings Bay. As part of the Community Relations Program, Kings Bay holds public information sessions, publishes this quarterly newsletter, distributes fact sheets, and has a central point of contact, the Public Affairs Officer, for you to discuss IR program activities. **WE WANT TO HEAR FROM YOU!** Have we addressed your concerns and answered your questions? Does *EnviroUpdate* and fact sheets provide you with interesting and understandable material? Are there things you would like to know that we have not addressed? **Let us know! Please call Bob Steller, the Public Affairs Officer, at (912) 673-4714.** You can also provide your comments or suggestions by writing to the return address shown on this newsletter.

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