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NSB KINGS BAY
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LETTER REGARDING NOTIFICATION TO THE GEORGIA DEPARTMENT OF NATURAL
RESOURCES OF A RELEASE OF CONTAMINANTS INTO GROUNDWATER FROM
CAMDEN COUNTY LANDFILL NSB KINGS BAY GA
9/8/1992
NSB KINGS BAY



DEPARTMENT OF THE NAVY

NAVAL SUBMARINE BASE
KINGS BAY, GEORGIA 31547-5000

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02.01.00.0001

IN REPLY REFER TO:

5090

Ser N5/2947

8 SEP 1992

Hazardous Waste Management Program
Environmental Protection Division
Georgia Department of Natural Resources
Attn: Mr. Reginald Young
Environmental Specialist
Floyd Tower East, Suite 1154
205 Butler Street, SE
Atlanta, GA 30304

Gentlemen:

This will confirm earlier discussions concerning the release of contaminants in groundwater, apparently from a site located on Naval Submarine Base (SUBASE), Kings Bay. This release was discovered during execution of the RCRA Facility Investigation (RFI). We suspect the source of the release is the Old Camden County Landfill which is identified as Site 11 in the RFI work plan. Your letter of September 28, 1990 approved the work plan for RCRA Facilities Investigation at Naval Submarine Base Kings Bay and listed Mr. Jim Ussery as the point of contact. Investigations are continuing at the site in accordance with the work plan.

Our letter of July 16, 1992 forwarded a synopsis of the findings of sampling events 1 and 2, and showed that vinyl chloride, along with some other volatile organic compounds, had been detected in well KBA-11-2. It presented our plan for sampling events No. 3 through 6, and proposed a reduction in the number of analytes, since two sampling events showed no contamination of certain compounds. The letter also forwarded our preliminary plan of action for additional investigation of the vinyl chloride release at Site 11. Complete technical memorandums covering the first two sampling events were previously forwarded to you.

Following confirmation of the existence of vinyl chloride, our preliminary plan of action was for an immediate response and screening to determine if vinyl chloride had migrated off Navy property. Field work for the screening effort commenced on August 6, 1992 by our contractor ABB Environmental Services of Knoxville, Tennessee. We have now determined that a groundwater plume containing vinyl chloride has migrated westward off Navy property across a state highway (Spur 40) right of way and has likely travelled onto private property. The affected subdivision's drinking water is supplied by the St. Marys City water distribution system. However, shallow wells are known to exist in the private subdivision and, although probably not used for drinking, their use must be determined. On August 26-27, 1992 we held a working meeting at SUBASE, Kings Bay to review all technical findings on this issue. Mr. Reginald Young of your staff attended on 27 August

and was fully briefed on the technical aspects of the contamination. He advised us to submit a written notification of the release, along with our plan of action for remediation. During the meeting we developed the following strategy:

1. Request that residents of affected property not use private shallow groundwater wells for any reason.
2. Identify and locate all wells in the potential risk area.
3. Investigate contamination within the subdivision by screening on publicly owned land such as rights of way.
4. Obtain permission and investigate contamination at strategic locations on privately owned property.
5. Perform a preliminary risk assessment.
6. Determine source of contamination.
7. Evaluate corrective measures.
8. Implement corrective measures.

In October we plan to begin screening to delineate the horizontal and vertical extent of the plume, sampling of shallow irrigation wells in the residential subdivision across the road from the landfill, and sampling of swimming pools and other areas of concern.

Camden County and St. Marys City representatives participated in our 26-27 August session, and County and City officials were fully briefed on the contamination/release on August 28, 1992. Local officials and residents of the subdivision have been advised, and a public meeting was held at the Crooked River Elementary School on September 3, 1992. Southern Division, Naval Facilities Engineering Command, is tasked with overall program management of the Navy's Installation Restoration Program for our area. The Engineer-in-Charge of the contract for investigation and remedial action is Mr. Ed Lohr, Code 1868, Southern Division, Naval Facilities Engineering Command, 2155 Eagle Drive, Charleston, SC 29411. His phone number is (803)743-0355. Our point of contact at SUBASE, Kings Bay is Mr. Jim More at 912-673-4759.

In addition to my initial stated purpose of this letter, i.e. to

confirm our verbal notification to you regarding the contaminants release, I enlist your full support in assisting SUBASE in cooperatively achieving the most expeditious determination of corrective actions.

Sincerely,



C. E. ELLIS
Captain, U. S. Navy
Commanding Officer

Copy to:
EPA Region IV
SOUTHNAVFACENGCOM (Code 18)