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NSB KINGS BAY  
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LETTER REGARDING NAVY REQUEST TO DEEPEN EXISTING PRIVATE IRRIGATION  
WELL AT PLANTATION COURT NSB KINGS BAY GA  
5/1/2002  
NSB KINGS BAY



DEPARTMENT OF THE NAVY

NAVAL SUBMARINE BASE  
1063 USS TENNESSEE AVENUE  
KINGS BAY, GEORGIA 31547-2606

31547-000  
09.01.00.0181

IN REPLY REFER TO:

5090  
Ser FE4/0146

01 MAY 2002

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Larry Papetti  
Georgia Department of Natural Resources  
Environmental Protection Division  
2 Martin Luther King, Jr. Drive, SE  
Floyd Towers East, Suite 1154  
Atlanta, GA 30334-9000

Dear Mr. Papetti:

We would like to replace the private irrigation well at 122 Plantation Court (formerly called 223 Plantation Court) with a deeper well. Our estimated completion date is July, 2002. We will then abandon the existing well. This will eliminate the only irrigation well in the vicinity of the old Camden County Landfill that exceeds the groundwater protection standard. Contaminate levels in and around Site 11 have improved dramatically but vinyl chloride concentrations in this well have remained between 3.4 ug/L and 7.4 ug/L since December 1999.

Replacing this well was proposed in our Corrective Action Plan (CAP) for Site 11, Camden County Landfill, dated July 1998. Section 3.1.5 of this plan specified monthly sampling of three private irrigation wells, including this one. It said if contaminants "do not decrease as expected as a result of the CAP implementation, additional engineering controls for risk reduction will be applied. The engineering controls could include installing shallower wells for irrigation usage and/or providing credits to the residents toward their water bills for use of city water (instead of private well) for irrigation purposes."

A well driller licensed by the State of Georgia will install the new irrigation well, which will comply with the Georgia Water Well Standards Act. In addition, the annular space between the four-inch diameter casing and the borehole will be filled with cement grout from ground surface to 100 feet below ground surface. The bottom of the well will consist of an open borehole for a total depth of at least 200 feet.

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After the new well has been installed and tested, the old well will be abandoned by pressure grouting from the bottom. We will use Portland cement with 5 to 10 percent powdered bentonite. We will remove the existing casing from 1 foot below grade to surface.

We have obtained permission from the owner, Mr. Dave Willis, to replace his irrigation well with a deeper well.

The other two private irrigation wells monitored per our Corrective Action Plan have improved as expected. The well at 108 Cottage Court (formerly called 209 Cottage Court) has met the groundwater protection standard for all analytes since September 1999. We would like to change the sampling frequency from monthly to annually, and would like to discontinue monitoring if it meets the groundwater protection standard for three consecutive years.

The irrigation well at 102 Plantation Court (formerly called 203 Plantation Court) exceeded the groundwater protection standard in August, 2001, with 9.9 ug/L of trichloroethene, although it has not had levels of contaminants above the detection limit since then. We did not draw samples from December, 2001 to February, 2002, because the pump was not operable.

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please advise us if you do not concur with this action. The SUBASE Kings Bay point of contact is Ken Yargus, (912) 673-2001,

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extension 1217. Please address all correspondence to  
"Commanding Officer, Naval Submarine Base, Kings Bay, 1063 USS  
TENNESSEE Avenue, Kings Bay, GA 31547-2606."

Sincerely,



JOHN R. GARNER  
Leader, Environmental Division  
Facilities & Environmental  
By direction of the  
Commanding Officer

Copy to:

SOUTHNAVFACENGCOM (Anthony Robinson)  
J.A. Jones Environmental Services (Mike Halil)  
J.A. Jones Environmental (SUBASE) (Fred Coley)  
COMNAVREG-SE