

N42237.AR.000241
NSB KINGS BAY
5090.3a

LETTER TRANSMITTING BIMONTHLY RCRA FACILITY INVESTIGATION SUPPLEMENTAL
REPORT FOR SITE 11 NSB KINGS BAY GA
3/21/1994
NSB KINGS BAY

31547.000
09.01.00.0065

5090
Ser FE4/1289
MAR 21 1994

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Georgia Department of Natural Resources
Attn: Bruce Khaleghi
Floyd Towers East Suite 1154
205 Butler Street SE
Atlanta GA 30334

IK
10/E
RF-
Site
571

Dear Mr. Khaleghi:

Enclosed for your information is a copy, enclosure (1), of ABB Environmental Services Inc. bi-monthly report for the Supplemental RFI field program at Site 11, Old County Landfill, Naval Submarine Base, Kings Bay.

If you have questions regarding this report or our Installation Restoration Program, please call Mr. John Garner at 912-673-8845. We look forward to seeing you again at the Technical Review Committee (TRC) meeting and the public information session on March 22, 1994.

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

Sincerely,

Encl:
(1) Bi-monthly RFI Report, January 93/February 94

Blind Copies:
SOUTHNAVFACENCOM (Dave Driggers) w/o encl.
ABB-ES (Frank Cater) w/o encl.

FE4/PF/SG

NSB KINGS BAY, GEORGIA
SUPPLEMENTAL RFI TECHNICAL SECTION

Technical Period: 24 December 1993 through 25 February 1994

A. WORK ACCOMPLISHED DURING REPORT PERIOD

Laboratory analysis and data validation were completed for subsurface soil samples collected during the Supplemental RFI field program conducted during October and November 1993. The project chemist has performed sample tracking functions and data management activities. The project chemist reviewed the data validation reports and prepared comprehensive data tables for the validated data. The data have been made available to other project team members for use in preparing the first technical memorandum.

ABB-ES received Toxicity Characteristic Leaching Procedure (TCLP) data for five composite samples collected from the roll-off containers used to store drill cuttings, grout, and drilling mud associated with the 1993 Supplemental RFI and Interim Measure drilling program. The data were evaluated based on promulgated threshold values. None of the samples contained TCLP constituents at concentrations that would require the investigation-derived wastes (IDW) to be handled as hazardous waste. ABB-ES presented a letter report to the Navy addressing characterization of the IDW and recommendations for disposal.

On 03 January 1994 ABB-ES personnel arrived at the site to conduct the first Supplemental RFI groundwater sampling event. On this date, groundwater level measurements were collected from 35 monitoring wells, two recovery wells, and four piezometers. Measurements were collected during a 2-hour period for purposes of preparing a potentiometric surface map. During 04 to 08 January 1994, groundwater sampling activities were conducted. Prior to purging, a second water level measurement was obtained for purposes of calculating well volumes.

Groundwater samples from each of the 35 monitoring wells were submitted to the contract laboratory for chemical analyses. In accordance with the Draft Final RFI Work Plan, groundwater samples from three wells KBA-11-11B, KBA-11-13A, and KBA-11-19A, were analyzed for Appendix LX constituents. All other groundwater samples were analyzed for Target Compound List and Target Analyte List parameters, and sulfide. Groundwater samples from three wells, KBA-11-11B, KBA-11-18, and KBA-11-20, were submitted for analysis of engineering and treatability parameters in addition to contamination characterization analyses.

The laboratory data and validation reports for the groundwater samples have been submitted to ABB-ES. Sample tracking, which ends upon delivery of the validated data, has been completed. The project chemist has reviewed the validation reports.

Work on the first technical memorandum began during this reporting period. Boring logs and well construction diagrams have been completed for the 25 new monitoring wells. The introductory sections of the technical memorandum have been prepared in draft form. The introductory material includes discussion of

the field methods that were used during the field program conducted during October and November 1993.

B. FUTURE PROJECT ACTIVITIES

Work will continue on the technical memorandum. The groundwater data associated with the first groundwater sampling event for the Supplemental RFI are being managed and the data will be provided to other project team members for use in developing the technical memorandum. Data evaluation and interpretation have been initiated for the soil data, but the groundwater data need also be available so that interpretation involves mutual consideration of soil and groundwater conditions.

The second groundwater sampling event is scheduled for early April 1994. This sampling event will include collection of samples for TCL and TAL analytes from each of the 35 monitoring wells.

C. PROBLEMS ENCOUNTERED DURING REPORT PERIOD

No problems were encountered during this report period.