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LETTER REQUESTING MONITORING WELL APPROVAL ZONE H CNC CHARLESTON SC
7/20/1994
ENSAFE INC.



Environmental and Safety Designs, Inc.

Memphis, TN • Nashville, TN • Raleigh, NC • Pensacola, FL

July 20, 1994

Joe B. Bowers
Hydrologist
Division of Hydrogeology
Bureau of Solid and Hazardous Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Request for Monitoring Well Approval in Zone H NAVBASE Charleston

Dear Mr. Bowers:

This letter is to request approval for the installation of monitoring wells in Zone H at Naval Base Charleston (NAVBASE). These monitoring wells are to be installed under the guidelines of the *RCRA Facility Investigation Draft Comprehensive Sampling and Analysis Plan, Volume II*, which is currently under revision, and the *South Carolina Well Standards and Regulations*.

As detailed in the *Draft Zone H Workplan*, a portion of the monitoring wells will be installed to monitor the groundwater in the vicinity of known or suspected areas of contamination, and the remainder of the wells will be installed as a portion of a larger base-wide grid sampling network. The wells installed as part of the grid sampling network are intended to provide data for areas that will not have SWMU or AOC-specific monitoring wells.

Enclosed are maps identifying proposed monitoring well locations and a general monitoring well construction diagram. The locations identified on the maps are approximate and may need to be adjusted in the field due to accessibility and location of utilities. The attached table lists specific information pertaining to each proposed monitoring well location. A South Carolina monitoring well record form identifying specific design information for each well will be submitted to your office within 30 days of well completion.

Forty-six site-specific monitoring wells are proposed for installation as part of the Zone H investigation. Eleven of these wells will be installed at the base of the water-table aquifer. The remainder of the wells will be installed at the water-table surface. In addition to the 46 proposed monitoring wells, 22 locations in the vicinity of SWMU 9 have been selected for groundwater screening with a Geoprobe or Hydropunch-type technique. Multiple intervals of the water-table aquifer will be sampled at each of the screening locations including the upper and lower portions of the aquifer. Additional shallow and deep monitoring well locations will be identified upon review of the screening data.

Twenty-four monitoring wells (twelve deep and twelve shallow) are proposed for installation as a portion of the Zone H grid-based sampling network.

At this time we anticipate field work to begin in early August and extend into November.

Please contact me at 615-399-8800 if you need any additional information.

Sincerely,

ENVIRONMENTAL AND SAFETY DESIGNS, INC.



By: C. Britton Dotson
Geologist

enclosure

cc: Mr. Todd Haverkost, EnSafe