

17

ATTACHMENT 7

THE UNIVERSITY OF NORTH CAROLINA
AT
CHAPEL HILL

April 8, 1996

Office of Business and Finance

RECEIVED
APR 12 1996
SUPERFUND SECTION

CB# 1000, 300 South Building
University of North Carolina at Chapel Hill
Chapel Hill, N.C. 27599-1000

Mr. Tom Power
North Carolina Department of Environment, Health
and Natural Resources
Division of Solid Waste Management, Superfund Section
Inactive Hazardous Sites Branch
P.O. Box 27687
Raleigh, NC 27611-7687

Subject: Notification of Voluntary Remedial Action
UNC Airport Road Waste Disposal Area (NCD980557623), Chapel Hill, North Carolina.

Dear Mr. Power:

The University of North Carolina at Chapel Hill (University) is submitting this letter to notify the Inactive Hazardous Sites Branch (Branch) of its intention to pursue independent remedial action at the above-referenced site according to the Branch Guidelines for Responsible Party Site Remedial Action, March, 1996 (Guidelines). Dr. Richard Miller, University Environmental Affairs Manager and two representatives of Geraghty & Miller, Inc. (Bill Doucette and Chris Lovdahl) met with Charlotte Jesneck on April 4, 1995, to discuss the status of the Airport Road Waste Disposal Area and review the groundwater remedial investigation work plan. Dr. Miller expressed the University's desire to pursue voluntary remedial actions at the Airport Road Waste Disposal Area. At that time, Ms. Jesneck reiterated that the Branch was not entering into any new Administrative Orders on Consent, but that the University could continue voluntary remedial actions at the site. The Guidelines require that responsible parties wishing to conduct a voluntary remedial action notify the Branch in writing and provide a project schedule and estimated completion date. This letter is intended to fulfill that requirement for the UNC Airport Road Waste Disposal Area.

PROJECT SCHEDULE AND PROGRESS

Phase I Remedial Investigation: Identification of Contaminants and Areas of Concern: Phase I activities were completed in May 1995. Phase I included installation of groundwater monitor wells, and sampling and analysis of groundwater and surface water.

Phase II Remedial Investigation: Delineation of Extent of Contamination: Based on the review of the field and analytical data, Phase II activities were initiated in June 1995 and are near completion. The following is a summary of the activities to date:

Groundwater Investigation: Geraghty & Miller has been retained to investigate the site since 1994. Remedial investigation activities have focused on groundwater and surface water pathways at the site. Direct exposure and air exposure pathways were evaluated during the Site Inspection Prioritization SIP (December, 1993) and were not considered major concerns at the site.

Eighteen groundwater monitor wells and three bedrock coreholes have been installed and sampled at the UNC Airport Road Waste Disposal Area since April 1995 to supplement the five existing monitor wells installed by the University in the mid-1980's. Groundwater samples were collected from all monitor wells and analyzed for selected parameters in accordance with the Guidelines. Groundwater samples from all wells and selected corehole intervals were analyzed for Target Compound List Volatile Organic Compounds (VOCs) by USEPA Method 8240, including the 10 largest Tentatively Identified Compounds. Other selected samples were analyzed for Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270, including the 10 largest Tentatively Identified Compounds, and Hazardous Substance List inorganics by USEPA Methods 6010 and 7471.

The sampling identified VOCs, including chloroform, methylene chloride, benzene, 1,1-dichloroethane, and diethyl ether, as the primary constituents of concern in groundwater. Other VOCs, including several tentatively identified compounds have also been detected. Relatively low concentrations of SVOCs have been detected in monitor wells directly downgradient from the site. No significant releases of Hazardous Substance List metals have been indicated.

Detectable concentrations of the site-related VOCs have been reported in monitor wells positioned downgradient of the UNC Airport Road Waste Disposal Area. Based on a preliminary evaluation of the groundwater results, dense, non-aqueous phase liquid (DNAPL) transport may be occurring at the site. Currently there is no evidence that site-related groundwater constituents have migrated off University property.

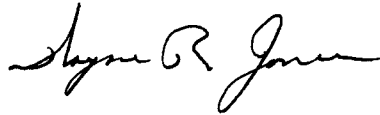
Surface Water Investigation: The surface water investigation is complete; however, the University will continue to monitor Crow Branch Creek on a quarterly basis. Surface water samples were collected in June and October, 1995, and January, 1996 from Crow Branch Creek, into which site groundwater apparently discharges, and were analyzed for VOCs. No VOCs were detected above quantitation limits in surface-water samples collected downstream of the site during the last three quarterly sampling events. These data indicate that site-related constituents are not migrating off University property in surface water.

Soil Investigation: Soil sampling near the source area was completed in January and February 1996. The analytical data are currently being validated.

Additional Activities: Phase I activities have been completed at the site. Additional Phase II activities that the University is currently performing at the UNC Airport Road Waste Disposal Area include collection of soil gas samples near the source area and continued sampling and analysis of surface water from Crow Branch Creek on a quarterly basis. The soil gas sampling field work will be conducted in Spring 1996. The next sampling event for Crow Branch Creek is scheduled for April 1996. The remedial investigation is expected to be completed following the completion of the soil gas sampling. A Remedial Investigation Report and Remedial Action Plan (RAP) are currently under development in accordance with the Guidelines, and both documents are expected to be completed by July 1996.

The University is committed to a proactive strategy in continuing to investigate and remediate this site. If you have any questions or comments, please contact the undersigned at (919) 962-3798.

Sincerely,



Wayne R. Jones
Vice Chancellor for Business and Finance

cc: Ms. Carolyn Elfland
Mr. Chris Lovdahl
Dr. Richard Miller