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Site Name (Subject):	UNIVERSITY OF NC AT CHAPEL HILL
Site ID (Document ID):	NCD980515308
Document Name (DocType):	Contractor Report (CONTR)
Report Segment:	
Description:	FIT Report: Screening Site Inspection, Phase I
Date of Document:	8/25/1988
Date Received:	
Box: *Enter SF and # with no spaces*	SF10,637
Access Level:	PUBLIC
Division:	WASTE MANAGEMENT
Section:	SUPERFUND
Program (Document Group):	SERB (SERB)
Document Category:	FACILITY

Print Report for Record | **Go to New Blank Record** | **Go to New Record - (default to last record values)** | **Delete Record**

NUS CORPORATION

1927 LAKESIDE PARKWAY
SUITE 614
TUCKER, GEORGIA 30084
404-938-7710

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AUG 28 1989
EPA - REGION IV
ATLANTA, GA.

C-586-8-9-220

August 25, 1988

Mr. A. R. Hanke
Site Investigation and Support Branch
Waste Management Division
Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, Georgia 30365

Date: 9/1/89
Site Disposition: NFA
EPA Project Manager: AM

Subject: Screening Site Inspection, Phase I
University North Carolina - Chapel Hill (Venable Hall)
Chapel Hill, Orange County, North Carolina
EPA ID No. NCD980515308 ~~(NCD003203213)~~
TDD No. F4-8901-43

FIT 3003

Dear Mr. Hanke:

FIT 4 conducted a screening site inspection of the University of North Carolina-Chapel Hill (Venable Hall) facility, located on Raleigh Road in Chapel Hill, Orange County, North Carolina. Phase I included a review of both EPA and state of North Carolina file material, a target survey, and an off-site reconnaissance of the facility and the surrounding area.

Two EPA-permitted waste sites have existed on the University of North Carolina-Chapel Hill campus under the name of Venable Hall at different points in times. Their locations are on contiguous properties but have been assigned two different EPA identification numbers (Ref. 1).

From 1974 until it was demolished in 1982, the Venable Hall facility existed as a 600-square-foot building located on the university property that is believed to have been used for the storage of hazardous wastes. The facility inherited the EPA ID No. (NCD003203213) that had been assigned to the entire campus in 1980. The wastes stored at this location were generated by the operations of campus laboratories and supporting facilities, as well as by the North Carolina Memorial Hospital (Refs. 1, 2, 3). The hazardous wastes included arsenic (D004), barium (D005), cadmium (D006), chromium (D007), lead (D008), mercury (D009), selenium (D010), and silver (D011) as well as ignitable (D001), corrosive (D002) and reactive (D003) substances. In addition, spent halogenated and non-halogenated solvents (F002-F005) are known to have been stored at the facility (Ref. 4).

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The university applied under RCRA authority as an interim status storage facility in 1980 and subsequently as a transporter of hazardous wastes (Ref. 2). A closure plan for the facility was submitted in March of 1982 (Ref. 5). Because the entire University of North Carolina-Chapel Hill campus was considered to be the facility location at the time (all under EPA ID #NCD003203213), the North Carolina Division of Health Services considered the proposal a partial closure for a specific activity and not a closure of the entire facility (Ref. 6). The substances that were stored within the Venable Hall facility were apparently relocated to a storage room in the university's central warehouse (Ref. 5). In June of 1983, these wastes were again relocated to the new Hazardous Materials Facility (HMF) at a noncontiguous location (Ref. 7). A multi-story building that is part of the university's Chemistry Complex has been built on the location where the University of North Carolina's original Venable Hall waste facility is believed to have existed (Ref. 14).

In 1987, a Notification of Hazardous Waste Activity (EPA Form 8700-12) was submitted for the campus Chemistry Complex under the name of Venable Hall. This facility was identified as a small quantity generator and given an EPA ID No. (NCD980515308) due to the need to transport hazardous waste in excess of 100 kilograms from this location to the HMF. Hazardous wastes at this location include those exibiting characteristics of ignitability (D001), corrosivity (D002), and reactivity (D003), as well as spent halogenated and non-halogenated solvents (F002-F005). Its current status is as a small quantity generator (Refs. 1, 8).

According to the North Carolina Division of Health Services no significant spills have been noted at the Venable Hall site and decontamination procedures associated with the closure and demolition of the original facility in 1982 were deemed sufficient (Ref. 6). The reconnaissance portion of this study did not reveal evidence of environmental harm (Ref. 14).

The Venable Hall facility is located in the Piedmont Physiographic Province and hydrogeologic regime in northern-central North Carolina. The area is characterized by gently rolling hills with local elevations ranging from 230 to 750 feet above mean sea level (Ref. 9).

Chapel Hill lies in the Carolina Slate Belt metamorphic rocks west of sediments ~~of~~ that fill in the Triassic Basins in the area (Ref. 10). The facility is situated on a layer of residual soil and weathered rock called regolith, which is in turn underlain by fractured, metamorphio, and granitic crystalline rocks. The saturated portion of the overlying residual soil and the water within fractures of the underlying crystalline rocks are hydrologically connected, and together comprise the aquifer of concern in the Chapel Hill area (Ref. 11, p. 8). Recharge to the residual soil/crystalline rock aquifer system results from the direct infiltration of rainfall through the unsaturated portion of the residual soil to the saturated soil and into the fractures in the crystalline rocks (Ref. 11, p. 8).

Locally, groundwater flow is generally towards the streams and rivers in this unconfined, surficial aquifer. Wells located on hilltops have well depths approximately 100-125 below land surface (bls), with water levels in these wells generally 100 feet bls. By comparison, wells on hill slopes have well depths of 20 feet bls, with typical yields of 2-10 gallons per minute (gpm). Water levels near streams or rivers are usually several feet from the surface (Ref. 11, pp. 1-11).

The aquifer of concern is an unconfined aquifer system with saturation in the fractures rarely exceeding 400 feet below land surface (bls) (Ref. 11, p. 5). The hydraulic conductivity of the crystalline rock aquifer ranges from 10^{-8} to 10^{-3} cm/sec (Ref. 12, p. 29). Well production is a function of the regolith's thickness, the amount of water stored in the regolith, and the size and frequency of the fractures in the underlying granitic rocks (Ref. 13, pp. 330-332).

Approximately 175 households (665 people) use private and community wells within a 3-mile radius of the site location. The nearest private well is 2.3 miles west of the site. Its depth is undetermined (Ref.1). There are approximately 837 residences (3,181 persons) at a distance of 3 to 4 miles from the site that use private or community wells (Refs. 9, 14).

The Orange Water and Sewer Authority (OWASA) services approximately 4,267 connections from a connecting chain of surface water sources upgradient from the Venable Hall facility. This service extends to approximately three-fifths of the study area. The intake for this water system is approximately 2.4 miles to the southwest, and upgradient of the site, at University Lake (Refs. 9, 14).

Overland drainage from the site would travel in a southeastern direction and encounter surface water (Meeting of the Waters Creek) approximately 0.9 mile downgradient. This creek intersects with Morgan Creek approximately 0.9 mile downstream and continues to the B. Everett Jordan Lake approximately 1.5 miles away. The 15-mile pathway expires along the B. Everett Jordan Lake without encountering a surface water intake (Refs. 9, 14). This lake is used extensively for recreation of all types. The creeks are used for fishing from the banks (Ref. 15).

Neither critical habitats nor endangered species were identified within the study area. The immediate area surrounding the site is a dense urban mix of commercial and residential establishments of the city of Chapel Hill, North Carolina (Ref. 14).

Based on the information presented above and the enclosures, it is recommended that no further remedial action be planned for the University of North Carolina-Chapel Hill's Venable Hall facility. Please contact me at NUS Corporation if you have any questions regarding this assessment.

Very truly yours,

Gerald Milligan
Project Manager

Approved:

GM/dwf

Enclosures

cc: Robert Morris

REFERENCES

1. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, Chapel Hill, North Carolina. Telephone conversation with Gerald Milligan, NUS Corporation, July 10, 1989. Subject: ID number assignments.

2. Ray Hackeny, Biological Safety Officer and Larry Perry, N.C. Solid and Hazardous Waste Management Branch, North Carolina Department of Human Resources, Interim Status Inspection report for University of North Carolina, Chapel Hill, North Carolina (NCD003203213), March 15, 1982.

3. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, letter to William S. Meyer, Environmental Engineer, Division of Health Services, March 26,1984.

4. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, Chapel Hill, North Carolina. Part A application (NCD003203213) with cover letter to John M. Hasvanek III, RCRA Project Officer, October 22, 1981.

5. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, Chapel Hill, North Carolina. Closure Plan (Venable Hall, NCD003203213) with cover letter to O.W. Strickland, Head of Solid and Hazardous Waste Management Branch, March 16, 1982.

6. William Meyer, Environmental Engineer, Division of Health Services, letter to Donald Willhoit, Director, Health and Safety Office, University of North Carolina Chapel Hill, North Carolina, March 29, 1982. Subject: Closure Plan review.

7. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, Chapel Hill, North Carolina. Telephone conversation with Gerald Milligan, NUS Corporation, January 5, 1989. Subject: UNC facility history.

8. Donald Willhoit, Director, Health and Safety Office, University of North Carolina, Chapel Hill, North Carolina. Notice of Hazardous Waste Activity (EPA Form 8700-12) and cover letter to William Meyer, Head of Solid and Hazardous Waste Management Branch, July 2, 1987.

9. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of North Carolina: Chapel Hill 1978 (Photorevised 1981), Southwest Durham 1973 (Photorevised 1987), Green Level 1973 (Photorevised 1981), Farrington 1978 (Photorevised 1981), scale 1:24,000.

10. North Carolina Geological Survey, Geologic Map of North Carolina, 1985, scale 1:500,000.

11. Harry E. LeGrand, Groundwater of the Piedmont and Blue Ridge Provinces in the Southeastern States, Circular 538, (Washington, D. C., GPO; United States Geological Survey, 1967), pp. 1-11.

12. R. Allen Freeze and John A. Cherry, Groundwater, (Englewood Cliffs, N.J.: Prentice-Hall, 1979), p. 29.

13. U.S. Geological Survey, Hydrologic Events Selected Water-Quality Trends and Groundwater Resources, National Water Summary 1984, Water-Supply Paper 2275, pp. 329-332.

14. NUS Corporation Field Logbook No. F4-1210 for University of North Carolina, Chapel Hill, North Carolina, TDD No. F4-8901-43. Documentation of facility reconnaissance, January 25, 1989.

15. Roger Jones, Fisheries Biologist, North Carolina Wildlife Resources Commission. Telephone conversation with Gerald Milligan, NUS Corporation, March 14, 1989. Subject: Recreational use of surface water.

RECONNAISSANCE CHECKLIST FOR HRS2 CONCERNS

Instructions: Obtain as much "up front" information as possible prior to conducting fieldwork. Complete the form in as much detail as you can, providing attachments as necessary. Cite the source for all information obtained.

Site name: University of North Carolina-Chapel Hill (Venable Hall)

City, County, State: Chapel Hill, Orange County, North Carolina

EPA ID No.: NCD980515308 (NCD003203213)

Person responsible for form: Gerald MIlligan

Date: JUne 6, 1989

Air Pathway

Describe any potential air emission sources onsite: There are no air emission sources onsite(Ref.1).

Identify any sensitive environments within 4 miles: There are no sensitive environments within 4 miles of the site (Ref. 1).

Identify the maximally exposed individual (nearest residence or regularly occupied building - workers do count): The other buildings of the university complex are the nearest regularly occupied buildings(Ref. 1).

Groundwater Pathway

Identify any areas of karst terrain: No karst terrain is identified within the study area (Refs. 11, 13).

Identify additional population due to consideration of wells completed in overlying aquifers to the AOC: None. The aquifers are unconfined, therefore, both are collectively the aquifer of concern (Refs. 11, 12, 13).

Do significant targets exist between 3 and 4 miles from the site? There are several subdivisions, several of which may be utilizing private or community wells (Ref. 1, 10).

Is the AOC a sole source aquifer according to Safe Drinking Water Act? (i.e. is the site located in Dade, Broward, Volusia, Putnam, or Flager County, Florida) No.

Surface Water Pathway

Are there intakes located on the extended 15-mile migration pathway? No. (Ref. 1).

Are there recreational areas, sensitive environments, or human food chain targets (fisheries) along the extended pathway? Yes. The B. Everett Jordan Lake is used extensively for recreation. Morgan Creek is used occasionally (Ref. 16).

Onsite Exposure Pathway

Is there waste or contaminated soil onsite at 2 feet below land surface or higher? This is not known. EPA/NCDHR file material does not verify this, and neither did observation during reconnaissance (Ref. 1).

Is the site accessible to non-employees (workers do not count)? Venable Hall is restricted by locks during normal hours of class room activity. (This refers to the current Venable Hall facility)..

Are there residences, schools, or daycare centers onsite or in close proximity? Yes. Other university facilities, residences, a hospital, and commercial establishments are in close proximity (Refs. 1, 10).

Are there barriers to travel (e.g., a river) within one mile? No (Ref. 1).

RCRA/NPL POLICY QUESTIONNAIRE FOR INITIAL SCREENING

Site Name: University of North Carolina- Chapel Hill (Venable Hall)

City: Chapel Hill State: NC

EPA I.D. Number: NCD 980515308 (NCD003203213)

Type of Facility: Generator X Transporter ____ Disposal ____
Treatment ____ Storage (more than 90 days) ____

I. RCRA APPLICABILITY	yes	no
Has this facility treated, stored or disposed of a RCRA hazardous waste since Nov. 19, 1980?	X	
Has a RCRA Facility Assessment (RFA) been performed on this site?		X
Does the facility have a RCRA operating or post-closure permit? If so, date issued _____		X
Did the facility file a RCRA Part A application?	X	
If so:		
1) Does the facility currently have interim status?		X
2) Did the facility withdraw its interim status?	X	
3) Is the facility a known or possible protective filer?		X
Is the facility a late (after Nov. 19, 1980) or non-filer that has been identified by EPA or the State?		X

STOP HERE IF ALL ANSWERS TO QUESTIONS IN SECTION I ARE NO

II. FINANCIAL STATUS		
Is the facility owned by an entity that has filed for bankruptcy under federal or State laws?		X

III. RCRA ENFORCEMENT STATUS		
Has the facility lost authorization to operate or had its interim status revoked?		X
Has the facility been involved in any other RCRA enforcement action?		X

EPA

Potential Hazardous Waste Site

Site Inspection Report

Site Inspection Report

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE: NC | 02 SITE NUMBER: NCD986858308

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): University of North Carolina-Chapel Hill	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: Raleigh Rd.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Chapel Hill,	NC	27514	Orange		

09 COORDINATES: LATITUDE 35° 54' 33" | LONGITUDE 79° 02' 07"

10 TYPE OF OWNERSHIP (Check one): ☐ A. PRIVATE ☐ B. FEDERAL ☒ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION: 01/05/89 (MONTH DAY YEAR)

02 SITE STATUS: ☐ ACTIVE ☒ INACTIVE

03 YEARS OF OPERATION: 1974 (BEGINNING YEAR) | 1982 (ENDING YEAR) ☐ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply): ☐ A. EPA ☒ B. EPA CONTRACTOR NUS Corporation ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ☐ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
Gerald Milligan	Environmntl Scientist	NUS Corp	(404) 938 7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO
Louis McAdams	Environmntl Scientist	NUS Corp	(404) 938 7710
Patricia Anderson	Hydrogeologist	EPA	(404) 347 5015
Linda Mann	Environmental Eng.	NCDHR	(919) 733 2178
Daniel Bius	Environmental Supervi.	NCDHR	(919) 733 2178
Kathleen Brown	Environmental Eng	NCDHR	(919) 733 2178

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Donald Willhoit	UNC- Director HSO	212 Finley Golf Course Rd	(919) 962 5507
Jerry Shirley	Ind. Hyg.	212 Finley Golf Course Rd	(919) 962 5507
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one): ☒ PERMISSION ☐ WARRANT

18 TIME OF INSPECTION: 0900

19 WEATHER CONDITIONS: Temp from upper 40's to lower 50's; fair to partly cloudy; no wind.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Linda Mann	NCDHR	(404) 733 2178

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Gerald Milligan		NUS Corp.	404-938 7710	07/14/89 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980515308

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [X] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [ ] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [ ] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

see Attachment A.

• This amount and type are identified in a closure plan submitted March 16, 1982 by UNC-CH.

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

See Attachment A.

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

• EPA/State of North Carolina file material.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: NC
02 SITE NUMBER: DG80515308

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 1683
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none noted

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: unkn
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

no evidence of fire/explosive risks noted

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: ~~[illegible]~~ 0 GM
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

~~Workers may be at risk w/out protective measures~~
No evidence of risks noted.

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 0 (Acres)
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

no evidence of contamination noted

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 1683
02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Private and community wells are potentially affected.

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: ~~[illegible]~~ GM 0
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

no danger to the population was noted.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: NC | 02 SITE NUMBER: D 980515708

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
There was no damage noted

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
There was no damage noted

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No contamination was noted

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
No unstable containment of wastes was noted.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No damage was noted

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No contamination was noted.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: [illegible]) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No such dumping was noted

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
No hazards were noted

III. TOTAL POPULATION POTENTIALLY AFFECTED: 0

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
USEPA / NCDHR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980515308

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA	NCD			
☐ E. RCRA INTERIM STATUS	NCD			
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☒ I. OTHER (Specify) RCRA SQG	NCD980515308	1987		
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☒ I. OTHER (Specify) indoor storage	>1,000 lcg	

04 TREATMENT (Check all that apply)
- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☒ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☒ F. SOLVENT RECOVERY
- ☒ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER
- ☒ A. BUILDINGS ON SITE: demolished in 1982

06 AREA OF SITE: 600 sq ft. bldg. (Acres)

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☒ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Indoor Storage

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- USEPA / NCDHR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NC
02 SITE NUMBER: D980515318

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as appropriate)

	SURFACE	WELL
COMMUNITY	A ☐	B. ☒
NON-COMMUNITY	C ☐	D ☒

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F ☐

03 DISTANCE TO SITE
A. ≥ 3.0 (mi)
B. ≥ 2.3 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☒ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: 1683

03 DISTANCE TO NEAREST DRINKING WATER WELL: ≥ 2.3 (mi)

04 DEPTH TO GROUNDWATER: 20-125 (ft)

05 DIRECTION OF GROUNDWATER FLOW: ~~[illegible]~~ to the east and south

06 DEPTH TO AQUIFER OF CONCERN: 20 (ft)

07 POTENTIAL YIELD OF AQUIFER: ____ (gpm)

08 SOLE SOURCE AQUIFER: ☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including storage, treatment, and distribution facilities in operation and buildings)

private/community potable

10 RECHARGE AREA: ☐ YES ☐ NO
COMMENTS:

11 DISCHARGE AREA: ☐ YES ☐ NO
COMMENTS:

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Meeting of the Waters Creek	☐	0.9 (mi)
Morgan Creek	☐	~~0.9~~ 1.8 (mi)
B. E. Jordan Lake	☐	3.3 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN
ONE (1) MILE OF SITE: A. 14,353 (NO. OF PERSONS)
TWO (2) MILES OF SITE: B. 14,448 (NO. OF PERSONS)
THREE (3) MILES OF SITE: C. 14,361 (NO. OF PERSONS)

02 DISTANCE TO NEAREST POPULATION: < .1 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: over 1.

04 DISTANCE TO NEAREST OFF-SITE BUILDING: < .1 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

A dense urban mix of commercial and residential establishments from 1 to 3 miles of the site.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980515308

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-6} – 10^{-8} cm/sec ☐ B. 10^{-4} – 10^{-6} cm/sec ☒ C. 10^{-4} – 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm/sec) ☒ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
undetermined (ft)	UNKn (ft)	UNKn

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
3.0 (in)	3.1 (in)	8.0 %	eastward	4.0 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. _____ (mi)

OTHER: B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

>4.0 (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. <0.1 (mi)	B. <0.1 (mi)	C. >4 (mi)	D. >4 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site topography is typical of the surrounding area. It Slopes toward the east.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- EPA/NCDHR file material
- USGS Topographic map (7.5) Chapel Hill, NC. (1978, photo revised 1981)
-

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980515308

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

NO SAMPLES TAKEN

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

NONE

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____ (Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS: NUS Corporation

V. OTHER FIELD DATA COLLECTED (Describe results of observations)

See logbook F4-1210 (UNC-CH, Venable Hall)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- NUS Logbook F4-1210, UNC-CH., Venable Hall, NCD980515308)
- EPA/NCDNR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980515308

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
University of North Carolina-C.H.	

03 STREET ADDRESS	04 SIC CODE
212 Finley Rd	

05 CITY	06 STATE	07 ZIP CODE
Chapel Hill	NC	27514

PARENT COMPANY

08 NAME	09 D+B NUMBER

10 STREET ADDRESS	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE
N/A		

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER
Same as above	

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (If applicable. List most recent first)

01 NAME	02 D+B NUMBER
University of North Carolina-C.H.	

03 STREET ADDRESS	04 SIC CODE
212 Finley Rd	

05 CITY	06 STATE	07 ZIP CODE
Chapel Hill	N.C	27514

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA/NCDHR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980515308

II. CURRENT OPERATOR		OPERATOR'S PARENT COMPANY	
01 NAME: University of North Carolina-CH.	02 D+B NUMBER:	10 NAME:	11 D+B NUMBER:
03 STREET ADDRESS: 212 Finley Road	04 SIC CODE:	12 STREET ADDRESS: N/A	13 SIC CODE:
05 CITY: Chapel Hill; 06 STATE: NC	07 ZIP CODE: 27514	14 CITY:	15 STATE: 16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER:		

III. PREVIOUS OPERATOR(S)		PREVIOUS OPERATORS' PARENT COMPANIES	
01 NAME:	02 D+B NUMBER:	10 NAME:	11 D+B NUMBER:
03 STREET ADDRESS:	04 SIC CODE:	12 STREET ADDRESS:	13 SIC CODE:
05 CITY:	06 STATE: 07 ZIP CODE:	14 CITY:	15 STATE: 16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:		
01 NAME:	02 D+B NUMBER:	10 NAME:	11 D+B NUMBER:
03 STREET ADDRESS:	04 SIC CODE:	12 STREET ADDRESS:	13 SIC CODE:
05 CITY:	06 STATE: 07 ZIP CODE:	14 CITY:	15 STATE: 16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:		
01 NAME:	02 D+B NUMBER:	10 NAME:	11 D+B NUMBER:
03 STREET ADDRESS:	04 SIC CODE:	12 STREET ADDRESS:	13 SIC CODE:
05 CITY:	06 STATE: 07 ZIP CODE:	14 CITY:	15 STATE: 16 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:		

IV. SOURCES OF INFORMATION

EPA/NCDHR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980515308

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
University of North Carolina - CH	

03 STREET ADDRESS (P.O. Box, APO #, etc.)	04 SIC CODE
212 Finley Rd	

05 CITY	06 STATE	07 ZIP CODE
Chapel Hill	NC	27514

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, APO #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, APO #, etc.)**	**04 SIC CODE**
N/A			
05 CITY	**06 STATE / 07 ZIP CODE**	**05 CITY**	**06 STATE / 07 ZIP CODE**
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
03 STREET ADDRESS (P.O. Box, APO #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, APO #, etc.)**	**04 SIC CODE**
05 CITY	**06 STATE / 07 ZIP CODE**	**05 CITY**	**06 STATE / 07 ZIP CODE**

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, APO #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, APO #, etc.)**	**04 SIC CODE**
N/A			
05 CITY	**06 STATE / 07 ZIP CODE**	**05 CITY**	**06 STATE / 07 ZIP CODE**
01 NAME	**02 D+B NUMBER**	**01 NAME**	**02 D+B NUMBER**
03 STREET ADDRESS (P.O. Box, APO #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, APO #, etc.)**	**04 SIC CODE**
05 CITY	**06 STATE / 07 ZIP CODE**	**05 CITY**	**06 STATE / 07 ZIP CODE**

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA/NCDHR file material

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D980515308

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980515308

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: None

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USEPA/NCDHR file material

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D980515308

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

note:
NCDHR informed the University of the fact that the March 1982 closure plan for Venable Hall was to be considered a partial closure because the EPA ID #NCD003263213 was representing not only Venable Hall but the University as well. The substances that were stored within Venable Hall were relocated to a storage room in the university's central warehouse until June of 1983, when wastes were relocated to the Hazardous Materials facility.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. USEPA / NCDHR File material
2. NUS file material (Refs. 2, 6, 7).

EPA FORM 2070-13 (7-81)

ATTACHMENT I

The following pages were taken from a Partial Closure Plan for the University of North Carolina-Chapel Hill, Venable Hall, Chapel Hill, Orange County, North Carolina, NCD003203213, Pg. 4, March 16, 1982.

Maximum Inventory of Wastes Prior to Closure

The following list of chemicals represents what might typically be found in the Chemical Waste Storage Building.

500 gal.	Flammable Solvents - toluene, xylene, ethyl alcohol, methyl alcohol, hexane, diethyl ether, petroleum ether, ethyl acetate, tetrahydrofuran, acetonitrile, benzene, dioxane, acetone, carbon disulfide.
100 gal.	Chlorinated Solvents - carbon tetrachloride, chloroform, methylene chloride.
50 gal.	Corrosives - hydrochloric acid, phosphoric acid, sulfuric acid, nitric acid, perchloric acid, acetic acid.
50 gal.	Oxidizers - sulfuric acid, nitric acid, chromic acid, perchloric acid, bromine, lead nitrate, hydrogen peroxide.
10 lbs.	Reducing Agents - butyl lithium, diborane, hydrazine, lithium aluminum hydride.
100 gal.	Metals and Metal Compounds - mercury, mercuric chloride, ferric chloride, osmium, molybdeum, lead, silver.
10 lbs.	Explosions - sodium azide, picric acid.
2 gal.	Water Reactive Substances - Acetyl chloride, butyl lithium, sodium.
2 gal.	Cyanides - hydrogen, cyanide, cyanogen bromide.
500 gal.	Low Level Radioactive Liquid Waste - iodine 125, tritium, carbon 14, phosphorus 32, chromium 51, sodium 22, chlorine 36, sulfur 35, in water or toluene, radioactivity range - trace to 4 microcuries per milliliter.

CHAPEL HILL, N. C.
N3552.5—W7900/7.5
1978
PHOTOREVISED 1981
DMA 5155 I NE—SERIES V842
SOUTHWEST DURHAM, N. C.
NW/4 DURHAM SOUTH 15' QUADRANGLE
35078-H8-TF-024
1973
PHOTOREVISED 1987
DMA 5255 IV NW—SERIES V842
CHAPEL HILL
UNIV. OF NORTH CAROLINA-CHAPEL HILL
VENABLE HALL
NEAREST WELL
OWASA
WATER INTAKE
1-MILE RADIUS
2-MILE RADIUS
3-MILE RADIUS
4-MILE RADIUS
FARRINGTON, N. C.
N3545—W7900/7.5
1978
PHOTOREVISED 1981
DMA 5155 I SE—SERIES V842
GREEN LEVEL, N. C.
SW/4 DURHAM SOUTH 15' QUADRANGLE
N3545—W7852.5/7.5
1973
PHOTOREVISED 1981
DMA 5255 IV SW—SERIES V842
SCALE: FEET
1000 0 2000 4000
OWASA WATER
DISTRIBUTION BOUNDARY