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Site Name (Subject): SOUTHERN RESIN/US INDUSTRIES INC

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

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SUPERFUND SECTION

4WD-WPB

Ms. Pat DeRosa, Head
North Carolina Department of Environment,
Health and Natural Resources
Division of Solid Waste Management
Post Office Box 27687
Raleigh, North Carolina 27611

Dear Ms. DeRosa:

Enclosed for your files are four Screening Site Inspections (SSI) Phase I reports, one SSI Phase II Study Plan and one Environmental Priorities Initiative report prepared by the Region IV Field Investigation Team, NUS Corporation. The site names and their determinations are as follows:

Sprague Electric Co.	NCD003167780	Study Plan
Textron, Inc.	NCD091249417	Deferred to RCRA
R.J. Reynolds Tobacco Co.	NCD000616474	NFRAP
PPG Industries, Inc.	NCD043712298	NFRAP
Southern Resin	NCD077821296	NFRAP
Southern Latex Corp.	NCD980729651	NFRAP

If you have any questions, please contact me at (404) 347-5065.

Sincerely yours,

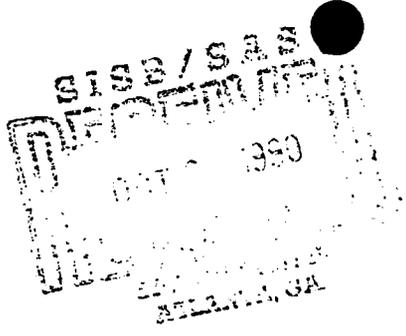
Deborah A. Vaughn-Wright
Project Manager

Enclosures

State copy



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



C-586-10-0-36

October 15, 1990

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

Date: 11-27-90
Site Disposition: NFRAP
EPA Project Manager: D. Vaughn-Wright

Subject: Screening Site Inspection, Phase I
Southern Resin
Thomasville, Davidson County, North Carolina
EPA ID No. NCD077821296
TDD No. F4-9002-68

#2891
pre-sam

Dear Mr. Hanke:

FIT 4 conducted a Phase I Screening Site Inspection at Southern Resin in Thomasville, Davidson County, North Carolina. This assessment included a review of EPA and state file material, completion of a target survey, and an offsite reconnaissance of the facility and surrounding area.

Southern Resin is located on Old Highway 109 South (also known as Denton Road) in Thomasville (Ref. 1). The area is fairly rural. There are residential areas on Denton Road along with a few businesses. The Fairgrove Child Development Center and the Fairgrove Elementary School, which are directly across from one another, are located 1.8 miles northeast of Southern Resin (Ref. 2).

A Preliminary Assessment conducted in 1984 indicates that the facility is owned by U.S. Industries of Columbus, Ohio (Refs. 1, 3). The starting date for the facility is unknown. According to the Lexington tax assessor's records, the property is owned by Southern Resin, Inc. (Ref. 4). Prior to May 1971, Southern Resin was owned by Ashland Chemical Company (Refs. 3, 5). The company processes remained unchanged when Ashland sold Southern Resin to U.S. Industries (Ref. 3).

In 1982, a letter from the North Carolina Division of Health Services indicated that Southern Resin manufactures urea formaldehyde resin used by furniture companies and in textile production (Ref. 6). Urea formaldehyde resin solutions are commonly used as adhesives, primarily in wood industries (Ref. 7). The urea and formaldehyde are mixed in large, stainless steel, reactor vessels and the pH is adjusted by using formic acid and sodium hydroxide. The liquid supernatant is discharged to two 3,000-gallon storage tanks. Periodically these tanks are emptied into a mobile spray applicator. The water, which contains 15,000 ppm formaldehyde, is land-applied to 6.5 acres of land owned by U.S. Industries (Ref. 6).

An engineering study was conducted by Rose and Purcell at the request of Southern Resin in May 1980. The results of this study were not available for this report. One 4-inch monitoring well 50 feet deep is located approximately 50 yards from the spray field (Ref. 3). In 1982, the phenol

Mr. A.R. Hanke
Environmental Protection Agency
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concentration in the wastewater was less than 1 ppb (Ref. 6). This well was sampled by Rose and Purcell and analyzed by Mead CompuChem in January 1983. Analyses included volatiles, base/neutrals, acids, pesticides, and PCBs; results showed the presence of 65 ppb phenol (Refs. 8, 9). A second sample was taken by Southern Resin's personnel in April 1983, and submitted to Research and Analytical Laboratories. Analysis showed 6.3 ppb phenol (Refs. 8, 10). A consulting engineer hired by Southern Resin reported that the phenols found by Mead CompuChem probably resulted from contamination by drilling tools (Ref. 11). However, phenol cannot be linked in any way to drilling but is commonly used in the manufacturing of adhesives, plastics, and resins (Refs. 12, 13).

Southern Resin holds a permit (No. 6197-R) from the North Carolina Division of Environmental Management for nondischarge type waste treatment (i.e., land application of wastewater). The permit was originally issued in 1980 and was reissued in 1982 (Ref. 14). The current permit is effective through December 1, 1991 (Ref. 15). On April 14, 1981, U.S. Industries Inc. filed a RCRA Part A application for a Hazardous Waste Permit for storage and disposal of wastes. The application indicated that an estimated 18,000 pounds of formaldehyde (U122) were generated annually (Ref. 7). Based upon an interim status inspection conducted at the facility in February 1982, the North Carolina Solid and Hazardous Waste Management Branch indicated that the plant was not a generator of hazardous waste under RCRA and that the land application is not disposal in the RCRA sense (Refs. 6, 16). Southern Resin was subsequently deleted as a generator and storage and disposal facility, and it withdrew from interim status on October 18, 1982 (Refs. 16, 17, 18). The facility is currently not regulated under RCRA (Ref. 18).

The Southern Resin facility is in the Piedmont Physiographic Province, which is characterized by low, rounded hills and gentle slopes. The average annual temperature is about 60°F (Ref. 19, pp. 2, 5). The net annual rainfall is 6 inches, and the 1-year, 24-hour rainfall is 3 inches (Refs. 20, pp. 43, 63; 21, p. 93).

The land surface in this area is underlain by a layer of clayey and sandy soil and weathered material called mantle rock or residuum. The residuum is the result of chemical weathering of the underlying rock and has an average thickness of 35 feet. Underlying the residuum is bedrock, which is comprised predominantly of granite and diorite in this area. The residuum and bedrock are hydrologically connected and groundwater occurs between the individual mineral grains in the residuum and in fractures in the bedrock. The water table in this area averages 35 feet below land surface (bls) (Ref. 19, pp. 10, 14, 16, 60). The hydraulic conductivities of the residuum and bedrock are similar and range from 1×10^{-4} to 1×10^{-6} cm/sec (Ref. 22, p. 29). The average depth of drilled wells in this area is 224 feet (Ref. 19, p. 16).

Thomasville is served by the Davidson County water system and the Thomasville water system. The county water system has more miles of line than any other system in the country. Although the area is covered by these water systems, some people still have private wells, averaging in depth from 25 to 75 feet bls; however, it was not possible to obtain locations for all these wells (Ref. 23). There are two trailer parks located approximately 2.5 miles from Southern Resin that have private wells. Each well serves 25 people (Ref. 24). The intake for Thomasville's water system is on Lake Tom-A-Lex, and it serves 16,000 to 19,000 people (Ref. 25). The intake for Davidson County is on the Yadkin River, south of Highway 64 (Ref. 23). However, these intakes would not be affected by surface water runoff from Southern Resin.

Mr. A.R. Hanke
Environmental Protection Agency
TDD No. F4-9002-68
October 15, 1990 - page three

Surface water drainage at the facility is not well defined. It appears that surface water would run 0.25 mile overland to an unnamed stream. This stream flows north/northwest 1.25 miles until its confluence with Hamby Creek. Surface water continues flowing west on Hamby Creek for approximately 9.5 miles where it becomes Abbotts Creek. The remainder of the 15-mile surface water pathway is along Abbotts Creek (Refs. 2, 23). There is no recreational fishing allowed on creeks in this area (only on the lakes) (Ref. 26).

An offsite reconnaissance on March 21, 1990, indicated that the facility is active. There is a fence around the property, but the gate at the entrance was opened and unguarded. There is a railroad track running along the eastern border. The immediate neighbor to the north is Columbia Forest Products. The nearest residence is directly across the street from the facility. The immediate area is sparsely populated and rural with a few businesses nearby (Ref. 2). A house count indicates 1,372 people (3.8 people x 361 houses) within a 1-mile radius (Ref. 23). A total of 16,208 residents are located within the 4-mile radius of Southern Resin (Ref. 27). The only endangered species found in Davidson County is the heart-leaf plantain (Plantago cordata) (Refs. 28, 29).

Surface water is the main source of potable water for the Thomasville area, and there are no surface water intakes that can be affected by any potential contamination at Southern Resin.

Based on the above statement, the enclosures, and the results of this assessment, it is recommended that no further remedial action be planned at Southern Resin. If you have any questions regarding this assessment, please feel free to contact me at NUS Corporation.

Very truly yours,



Lisa Ward
Project Manager

LW/gwn

Enclosures

cc: Kelly Cain

Approved:



REFERENCES

1. Potential Hazardous Waste Site Preliminary Assessment (EPA form 2070-12) for Southern Resins. Prepared by O.W. Strickland, November 26, 1984.
2. NUS Corporation Field Logbook No. F2-2111 for Southern Resin, TDD No. F4-9002-68. Documentation of facility reconnaissance, March 21, 1990.
3. Lee Crosby; memo to file for Southern Resin, November 26, 1984. Subject: History of Southern Resin.
4. Kristi Smith, Lexington Tax Assessors Office, telephone conversation with Lisa Ward, NUS Corporation, September 5, 1990. Subject: Ownership of land where Southern Resin is situated.
5. Lee Crosby, Solid and Hazardous Waste Management Branch, Environmental Health Section, letter to Denise Bland, EPA, Air and Hazardous Material Division, December 18, 1984. Subject: Preliminary assessment reports transmittal letter.
6. Interim Status Inspection of Southern Resin. Inspection Date: March 4, 1982; obtained from state file.
7. EPA Hazardous Waste Permit Application (EPA form 3510-1 for Southern Resin, Thomasville, North Carolina. Filed by B.J. Garet, Vice President, April 21, 1981.
8. Lee Crosby; memo to file for Southern Resin, November 26, 1984. Subject: Laboratory analysis of monitoring well at Southern Resin.
9. Mead CompuChem, Report of Data, Southern Resin, CompuChem Sample No. 26628 (February 24, 1983).
10. Research & Analytical Laboratories, Inc., Report of Data, Southern Resin, Job No. 420-811-15-8 (April 25, 1983).
11. C. Page Fisher, Ph.D., P.E., Consulting Engineer, letter to Gregory Fraley, EPA, May 10, 1983. Subject: RCRA compliance.
12. Association of American Railroads, Emergency Action Guides (1984)pp. 149-154.
13. Lisa Ward, NUS Corporation; memo to file for Southern Resin, September 5, 1990. Subject: Use of phenol in drilling activities. Attachment: "Index", Kirk-Othmer Encyclopedia of Chemical Technology, Volumes 1-24 and supplement (John Wiley & Sons).
14. Permit for the Discharge of Sewage, Industrial Wastes, or Other Wastes, North Carolina Environmental Management Commission Department of Natural Resource and Community Development (Number 6197-R) issued to Southern Resin, January 4, 1982.
15. Nancy Owen, North Carolina Department of Natural Resource and Community Development, Division of Environmental Management, telephone conversation with Lisa Ward, NUS Corporation, March 5, 1990. Subject: Renewal of Permit No. 6197-R.
16. Keith Lawson, Division of Health Services, Application for change of classification under RCRA. Subject: Letter to Charles Thaggard, Southern Resin, September 13, 1982.

17. O.W. Strickland, Solid and Hazardous Waste Management Branch, letter to C.L. Thaggard, U.S. Industries, Inc., October 18, 1982. Subject: Change of RCRA status, .
18. Jim Edwards, North Carolina Hazardous Waste Compliance Program, Raleigh, North Carolina, telephone conversation with Joan Dupont, NUS Corporation, March 14, 1990. Subject: Current RCRA status.
19. Harry W. LeGrand, Geology and Ground Water in the Statesville Area, North Carolina, Bulletin Number 68 (U.S. Geological Survey, 1954).
20. U.S. Department of Commerce, Climatic Atlas of the United States (Washington, D.C.: GPO, June 1968) Reprint: 1983, National Oceanic and Atmospheric Administration.
21. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper No. 40 (Washington D.C.: GPO, 1961).
22. R.A. Freeze and J.A. Cherry, Groundwater (Englewood Cliffs, N.J.: Prentice-Hall, Inc., 1979).
23. Maureen Gordon, project notes to Lisa Ward, March 22, 1990. Subject: Distribution for Thomasville water system. Attachment: U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of North Carolina: Midway (1987), High Point West (1987), Lexington East (1987), Fair Grove (1987), scale 1:24,000.
24. Lisa Ward, NUS Corporation; memo to file for Southern Resin, September 5, 1990. Subject: Private community wells in Thomasville.
25. Roger Spach, Davidson County Water Resources, telephone conversation with Bob Tolford, NUS Corporation, November 29, 1989. Subject: Recreational uses of Lake Tom-A-Lex.
26. Wade Cox, Lake Warden, Lake Tom-A-Lex, telephone conversation with Lisa Ward, NUS Corporation, September 5, 1990. Subject: Recreational fishing in the Thomasville area.
27. U.S. Environmental Protection Agency, Graphical Exposure Modeling System (GEMS) Data Base, compiled from U.S. Bureau of the Census data (1980).
28. North Carolina Natural Heritage Program Element List for Davidson County, June 6, 1989.
29. North Carolina Natural Heritage Program Natural Areas Database, July 5, 1989.



Site Inspection Report



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

I. IDENTIFICATION	
01 STATE NC	02 SITE NUMBER D077821296

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Southern Resin		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1510 Denton Road			
03 CITY Thomasville		04 STATE NC	05 ZIP CODE 27360	06 COUNTY Davidson	
09 COORDINATES LATITUDE 35° 49' 30" -		LONGITUDE - 80° 25' 40" -		07 COUNTY CODE 29	08 CONG DIST 06
10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN					

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 03.21.90 MONTH DAY YEAR	02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1960 Present BEGINNING YEAR ENDING YEAR	
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR NUS Corporation <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR <input type="checkbox"/> G. OTHER			

05 CHIEF INSPECTOR Lisa Ward	06 TITLE Chemist	07 ORGANIZATION Region 4	08 TELEPHONE NO 404-938-7110
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO () () () () ()

13 SITE REPRESENTATIVES INTERVIEWED Off-site reconnaissance	14 TITLE	15 ADDRESS	16 TELEPHONE NO () () () () () () () ()
----------------------------------------------------------------	----------	------------	-------------------------------------------------------------------------

17 ACCESS GAINED BY (Check one) <input type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 1000 hrs.	19 WEATHER CONDITIONS Sunny, 50°
------------------------------------------------------------------------------------------------------------	------------------------------------	-------------------------------------

IV. INFORMATION AVAILABLE FROM

01 CONTACT Kelly Cain	02 OF (Agency/Organization) E.P.A.	03 TELEPHONE NO. 404-347-5065	
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Lisa Ward	05 AGENCY NUS	06 ORGANIZATION Region 4	07 TELEPHONE NO. 404-938-7110
08 DATE 4.20.90 MONTH DAY YEAR			



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NC D077821296

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 J. DAMAGE TO FLORA 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 K. DAMAGE TO FAUNA 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species.)

NONE OBSERVED

01 L. CONTAMINATION OF FOOD CHAIN 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
(Spills, Runoff, Standing liquids, Leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 P. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

NONE OBSERVED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

none known

III. TOTAL POPULATION POTENTIALLY AFFECTED: 16,208 within 4 miles of Southern Resid

IV. COMMENTS

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

State, EPA, & ~~FI~~ FIT4 files and
Topo map & Gems printout (population information)



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

I. IDENTIFICATION
01 STATE: NC 02 SITE NUMBER: D077921296

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

of people using private wells is unknown & all municipal water comes from surface water.

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

None observed No real potential for surface water contamination since no intakes are downstream from the facility

01 C. CONTAMINATION OF AIR 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: on-site employees 04 NARRATIVE DESCRIPTION

There is a potential for contaminated particles to be circulated through the air

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

No potential for explosion/fire. The main contaminant of concern on this facility is phenol. Phenol will burn, but it's difficult to ignite w/out extreme heat.

01 E. DIRECT CONTACT 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

~~SA~~
UNKNOWN

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

Land application (i.e. spray field) may cause soil contamination.

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

See ground water contamination

01 H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
03 WORKERS POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

There is a slight potential for workers to be exposed to hazardous wastes (resins)

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

Not much potential → population is small around site & migration is unlikely due to steep facility slope



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

I. IDENTIFICATION
 01 STATE NC 02 SITE NUMBER D0778296

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED <small>(Check all that apply)</small>	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A NPDES				
<input type="checkbox"/> B UIC				
<input type="checkbox"/> C AIR				
<input type="checkbox"/> D RCRA				
<input type="checkbox"/> E RCRA INTERIM STATUS				
<input type="checkbox"/> F SPCC PLAN				
<input checked="" type="checkbox"/> G STATE <small>Specify</small>	<u>10197-R</u>	<u>1-4-82</u>	<u>12-1-91</u>	<u>Permit for land application of waste water</u>
<input type="checkbox"/> H LOCAL <small>Specify</small>				
<input type="checkbox"/> I OTHER <small>Specify</small>				
<input type="checkbox"/> J NONE				

III. SITE DESCRIPTION

01 STORAGE/ DISPOSAL <small>(Check all that apply)</small>	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT <small>(Check all that apply)</small>	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input checked="" type="checkbox"/> C. CHEMICAL/PHYSICAL	06 AREA OF SITE <u>~ 8 acres</u> Acres.
<input checked="" type="checkbox"/> D. TANK, ABOVE GROUND (2)	<u>3000 gal</u>		<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input checked="" type="checkbox"/> G. LANDFARM <u>spray field</u>	<u>unknown</u>	<u>6.5 acre</u>	<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER <small>(Specify)</small>	
<input type="checkbox"/> I. OTHER <small>Specify</small>				

07 COMMENTS

The chemical/physical treatment is the pH adjustment of the urea & formaldehyde mixed mixture (with formic acid & sodium hydroxide).

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.
tanks, drums → are all well kept.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE. YES NO fenced property
 02 COMMENTS

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

EPA, state files, & FIT 4 files



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D077821296

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY <small>(Check as appropriate)</small>	SURFACE		WELL		02 STATUS	03 DISTANCE TO SITE		
	COMMUNITY	A. <input checked="" type="checkbox"/>	B. <input type="checkbox"/>	ENDANGERED		AFFECTED	MONITORED	A. <u>74</u> (mi)
NON-COMMUNITY	C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	A. <input type="checkbox"/>	B. <input type="checkbox"/>	C. <input checked="" type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input checked="" type="checkbox"/>

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

A. ONLY SOURCE FOR DRINKING
 B. DRINKING (Other sources available)
 C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)
 D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER unknown

03 DISTANCE TO NEAREST DRINKING WATER WELL unknown (mi)

04 DEPTH TO GROUNDWATER <u>35</u> (ft)	05 DIRECTION OF GROUNDWATER FLOW <u>unknown</u>	06 DEPTH TO AQUIFER OF CONCERN <u>224</u> (ft)	07 POTENTIAL YIELD OF AQUIFER <u>unknown</u> (gpd)	08 SOLE SOURCE AQUIFER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
-------------------------------------------	----------------------------------------------------	---------------------------------------------------	-------------------------------------------------------	-----------------------------------------------------------------------------------------------

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

unknown Average depth of drilled wells in area is 224 feet. Hand dug wells range from 25-75 feet bls.

10 RECHARGE AREA <input type="checkbox"/> YES <input type="checkbox"/> NO	COMMENTS <u>unknown</u>	11 DISCHARGE AREA <input type="checkbox"/> YES <input type="checkbox"/> NO	COMMENTS <u>unknown</u>
------------------------------------------------------------------------------	-------------------------	-------------------------------------------------------------------------------	-------------------------

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
<u>unnamed stream</u>	<input type="checkbox"/>	<u>~ .25</u> (mi)
<u>Hambly Creek</u>	<input type="checkbox"/>	<u>~ 1.25</u> (mi)
<u>Abbott's Creek</u>	<input type="checkbox"/>	<u>~ 9.5</u> (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN	02 DISTANCE TO NEAREST POPULATION
ONE (1) MILE OF SITE A. <u>1372</u> <small>NO OF PERSONS</small>	<u>< 1</u> (mi)
TWO (2) MILES OF SITE B. <u>3049</u> <small>NO OF PERSONS</small>	
THREE (3) MILES OF SITE C. <u>3170</u> <small>NO OF PERSONS</small>	

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>unknown</u>	04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>< 1</u> (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)

Facility in a rural area. A few commercial businesses interspersed with residential areas sparsely populated



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

I. IDENTIFICATION
01 STATE: NC 02 SITE NUMBER: D077821296

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)
 A. $10^{-5} - 10^{-3}$ cm/sec B. $10^{-4} - 10^{-5}$ 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^{-3} cm/sec) B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-3}$ cm/sec) C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK 35 (ft)	04 DEPTH OF CONTAMINATED SOIL ZONE unknown (ft)	05 SOIL pH unknown
--------------------------------	----------------------------------------------------	-----------------------

06 NET PRECIPITATION 6 (in)	07 ONE YEAR 24 HOUR RAINFALL 3 (in)	08 SLOPE SITE SLOPE 1.1 %	DIRECTION OF SITE SLOPE unknown	TERRAIN AVERAGE SLOPE %
--------------------------------	----------------------------------------	------------------------------	------------------------------------	----------------------------

09 FLOOD POTENTIAL
 SITE IS IN NO YEAR FLOODPLAIN 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) _____ (mi) unknown ENDANGERED SPECIES: _____
------------------------------------------------------------------------	------------------------	------------------------------------------------------------------------------------------------------------

13 LAND USE IN VICINITY
 DISTANCE TO:
 COMMERCIAL/INDUSTRIAL A. < 1 (mi)
 RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES B. < 1 (mi)
 AGRICULTURAL LANDS PRIME AG LAND C. _____ (mi) D. _____ (mi)
 AG LAND unknown

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY
 Southern Resin facility is located in the Piedmont physiographic province. The immediate area is flat and direction of runoff is difficult to determine. It appears that surface water would flow overland .25 miles to an unnamed stream. This stream flows N/NW until it reaches Hamby Creek, which continues west for ~ 9.5 miles where it becomes Abbotts Creek. The remainder of the 15-mile SW pathway is on Abbotts Creek.

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

EPA, state, & FITY files



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

I. IDENTIFICATION

01 STATE NC 02 SITE NUMBER DG 77821296

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	X	Mead Compuchem	65ppb phenol
SURFACE WATER	X	Research Analytical Laboratories	6.3ppb phenol
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
	Unknown

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>NUS Corporation</u> <small>Name of organization or individual</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>NUS Corporation</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Field logbooks FD-2111 located in FIT 4 files at NUS Corporation

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

EPA, state, & FIT 4 files



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

I. IDENTIFICATION

01 STATE NC 02 SITE NUMBER 0071821296

II. CURRENT OWNER(S)

01 NAME U.S. Industries				02 D+B NUMBER				08 NAME U.S. Industries				09 D+B NUMBER			
03 STREET ADDRESS P.O. Box, RFD #, etc. P.O. Box 2219				04 SIC CODE				10 STREET ADDRESS P.O. Box, RFD #, etc. P.O. Box 2219				11 SIC CODE			
05 CITY Columbus		06 STATE OH		07 ZIP CODE 43216		12 CITY Columbus		13 STATE OH		14 ZIP CODE 43216					

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

01 NAME Ashland Chemical				02 D+B NUMBER								09 D+B NUMBER			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)				04 SIC CODE								11 SIC CODE			
05 CITY		06 STATE		07 ZIP CODE		12 CITY		13 STATE		14 ZIP CODE					

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

01 NAME				02 D+B NUMBER				01 NAME				02 D+B NUMBER					
03 STREET ADDRESS (P.O. Box, RFD #, etc.)				04 SIC CODE				03 STREET ADDRESS (P.O. Box, RFD #, etc.)				04 SIC CODE					
05 CITY		06 STATE		07 ZIP 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, State, & FIT 4 files



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

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER
NC | D077821296

II. CURRENT OPERATOR <small>Provide if different from owner</small>				OPERATOR'S PARENT COMPANY <small>If applicable</small>			
01 NAME Southern Resin	02 D+B NUMBER		10 NAME		11 D+B NUMBER		
03 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small> 1510 Denton Road		04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>		13 SIC CODE		
05 CITY Thomasville	06 STATE NC	07 ZIP CODE 27360	14 CITY		15 STATE	16 ZIP CODE	
08 YEARS OF OPERATION	09 NAME OF OWNER						

III. PREVIOUS OPERATOR(S) <small>(List most recent first; provide only if different from owner)</small>				PREVIOUS OPERATORS' PARENT COMPANIES <small>If applicable</small>			
01 NAME Ashland Chemical	02 D+B NUMBER		10 NAME		11 D+B NUMBER		
03 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small> 1510 Denton Road		04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>		13 SIC CODE		
05 CITY Thomasville	06 STATE NC	07 ZIP CODE 27360	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 <small>(P.O. Box, RFD #, etc.)</small>		04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>		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 <small>(P.O. Box, RFD #, etc.)</small>		04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>		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 (Cite specific references, e.g., state files, sample analysis, reports)

EPA, state, & Fitz files



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D077921296

II. ON-SITE GENERATOR

01 NAME <i>Same as operator</i>		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
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, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, 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, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
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, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, 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, state, & FIT 4 files



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NC 0677821296

II. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
UNKNOWN		
01 <input type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
UNKNOWN		
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
UNKNOWN		
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
unknown		
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
pH of urea formaldehyde mixture is adjusted		
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
unknown		
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
unknown		
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> O. EMERGENCY DIKING SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
NO		



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

I. IDENTIFICATION
01 STATE NC 02 SITE NUMBER D077821296

II. PAST RESPONSE ACTIVITIES (continued)

01 <input type="checkbox"/> R BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>no</i>		
01 <input type="checkbox"/> S CAPPING/COVERING 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> T BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> U GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> V BOTTOM SEALED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> W GAS CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> X FIRE CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> Y LEACHATE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> Z AREA EVACUATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		
01 <input type="checkbox"/> 1 ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>NO</i>		
01 <input type="checkbox"/> 2 POPULATION RELOCATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>NO</i>		
01 <input type="checkbox"/> 3 OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<i>unknown</i>		

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

EPA, state & FIT 4 files.



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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D077821296

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION YES NO

02 DESCRIPTION OF FEDERAL STATE LOCAL REGULATORY ENFORCEMENT ACTION

unknown

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

EPA, state, & FIT 4 files.

APPENDIX

I. FEEDSTOCKS

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1. 7664-41-7	Ammonia	14. 1317-38-0	Cupric Oxide	27. 7778-50-9	Potassium Dichromate
2. 7440-36-0	Antimony	15. 7758-98-7	Cupric Sulfate	28. 1310-58-3	Potassium Hydroxide
3. 1309-64-4	Antimony Trioxide	16. 1317-39-1	Cuprous Oxide	29. 115-07-1	Propylene
4. 7440-38-2	Arsenic	17. 74-85-1	Ethylene	30. 10588-01-9	Sodium Dichromate
5. 1327-53-3	Arsenic Trioxide	18. 7647-01-0	Hydrochloric Acid	31. 1310-73-2	Sodium Hydroxide
6. 21109-95-5	Barium Sulfide	19. 7664-39-3	Hydrogen Fluoride	32. 7646-78-8	Stannic Chloride
7. 7726-95-6	Bromine	20. 1335-25-7	Lead Oxide	33. 7772-99-8	Stannous Chloride
8. 106-99-0	Butadiene	21. 7439-97-6	Mercury	34. 7664-93-9	Sulfuric Acid
9. 7440-43-9	Cadmium	22. 74-82-8	Methane	35. 108-88-3	Toluene
10. 7782-50-5	Chlorine	23. 91-20-3	Napthalene	36. 1330-20-7	Xylene
11. 12737-27-8	Chromite	24. 7440-02-0	Nickel	37. 7646-85-7	Zinc Chloride
12. 7440-47-3	Chromium	25. 7697-37-2	Nitric Acid	38. 7733-02-0	Zinc Sulfate
13. 7440-48-4	Cobalt	26. 7723-14-0	Phosphorus		

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1. 75-07-0	Acetaldehyde	47. 1303-33-9	Arsenic Trisulfide	92. 142-71-2	Cupric Acetate
2. 64-19-7	Acetic Acid	48. 542-62-1	Barium Cyanide	93. 12002-03-8	Cupric Acetoarsenite
3. 108-24-7	Acetic Anhydride	49. 71-43-2	Benzene	94. 7447-39-4	Cupric Chloride
4. 75-86-5	Acetone Cyanohydrin	50. 65-85-0	Benzoic Acid	95. 3251-23-8	Cupric Nitrate
5. 506-96-7	Acetyl Bromide	51. 100-47-0	Benzonitrile	96. 5893-66-3	Cupric Oxalate
6. 75-36-5	Acetyl Chloride	52. 98-88-4	Benzoyl Chloride	97. 7758-98-7	Cupric Sulfate
7. 107-02-8	Acrolein	53. 100-44-7	Benzyl Chloride	98. 10380-29-7	Cupric Sulfate Ammoniated
8. 107-13-1	Acrylonitrile	54. 7440-41-7	Beryllium	99. 815-82-7	Cupric Tartrate
9. 124-04-9	Adipic Acid	55. 7787-47-5	Beryllium Chloride	100. 506-77-4	Cyanogen Chloride
10. 309-00-2	Aldrin	56. 7787-49-7	Beryllium Fluoride	101. 110-82-7	Cyclohexane
11. 10043-01-3	Aluminum Sulfate	57. 13597-99-4	Beryllium Nitrate	102. 94-75-7	2,4-D Acid
12. 107-18-6	Allyl Alcohol	58. 123-86-4	Butyl Acetate	103. 94-11-1	2,4-D Esters
13. 107-05-1	Allyl Chloride	59. 84-74-2	n-Butyl Phthalate	104. 50-29-3	DDT
14. 7664-41-7	Ammonia	60. 109-73-9	Butylamine	105. 333-41-5	Diazinon
15. 631-61-8	Ammonium Acetate	61. 107-92-6	Butyric Acid	106. 1918-00-9	Dicamba
16. 1863-63-4	Ammonium Benzoate	62. 543-90-8	Cadmium Acetate	107. 1194-65-6	Dichlobenil
17. 1066-33-7	Ammonium Bicarbonate	63. 7789-42-6	Cadmium Bromide	108. 117-80-6	Dichlone
18. 7789-09-5	Ammonium Bichromate	64. 10108-64-2	Cadmium Chloride	109. 25321-22-6	Dichlorobenzene (all isomers)
19. 1341-49-7	Ammonium Bifluoride	65. 7778-44-1	Calcium Arsenate	110. 266-38-19-7	Dichloropropane (all isomers)
20. 10192-30-0	Ammonium Bisulfite	66. 52740-18-6	Calcium Arsenite	111. 26952-23-8	Dichloropropene (all isomers)
21. 1111-78-0	Ammonium Carbamate	67. 75-20-7	Calcium Carbide	112. 8003-19-8	Dichloropropene-Dichloropropane Mixture
22. 12125-02-9	Ammonium Chloride	68. 13765-19-0	Calcium Chromate	113. 75-99-0	2,2-Dichloropropionic Acid
23. 7788-98-9	Ammonium Chromate	69. 592-01-8	Calcium Cyanide	114. 62-73-7	Dichlorvos
24. 3012-65-5	Ammonium Citrate, Dibasic	70. 26264-06-2	Calcium Dodecylbenzene Sulfonate	115. 60-57-1	Dieldrin
25. 13826-83-0	Ammonium Fluoborate			116. 109-89-7	Diethylamine
26. 12125-01-8	Ammonium Fluoride	71. 7778-54-3	Calcium Hypochlorite	117. 124-40-3	Dimethylamine
27. 1336-21-6	Ammonium Hydroxide	72. 133-06-2	Captan	118. 25154-54-5	Dinitrobenzene (all isomers)
28. 6009-70-7	Ammonium Oxalate	73. 63-25-2	Carbaryl	119. 51-28-5	Dinitrophenol
29. 16919-19-0	Ammonium Silicofluoride	74. 1563-66-2	Carbofuran	120. 25321-14-6	Dinitrotoluene (all isomers)
30. 7773-06-0	Ammonium Sulfamate	75. 75-15-0	Carbon Disulfide	121. 85-00-7	Diquat
31. 12135-76-1	Ammonium Sulfide	76. 56-23-5	Carbon Tetrachloride	122. 298-04-4	Disulfoton
32. 10196-04-0	Ammonium Sulfite	77. 57-74-9	Chlordane	123. 330-54-1	Diuron
33. 14307-43-8	Ammonium Tartrate	78. 7782-50-5	Chlorine	124. 27176-87-0	Dodecylbenzenesulfonic Acid
34. 1762-95-4	Ammonium Thiocyanate	79. 108-90-7	Chlorobenzene	125. 115-29-7	Endosulfan (all isomers)
35. 7783-18-8	Ammonium Thiosulfate	80. 67-66-3	Chloroform	126. 72-20-8	Endrin and Metabolites
36. 628-63-7	Amyl Acetate	81. 7790-94-5	Chlorosulfonic Acid	127. 106-89-8	Epichlorohydrin
37. 62-53-3	Aniline	82. 2921-88-2	Chlorpyrifos	128. 583-12-2	Ethion
38. 7647-18-9	Antimony Pentachloride	83. 1066-30-4	Chromic Acetate	129. 100-41-4	Ethyl Benzene
39. 7789-61-9	Antimony Tribromide	84. 7738-94-5	Chromic Acid	130. 107-15-3	Ethylenediamine
40. 10025-91-9	Antimony Trichloride	85. 10101-53-8	Chromic Sulfate	131. 106-93-4	Ethylene Dibromide
41. 7783-56-4	Antimony Trifluoride	86. 10049-05-5	Chromous Chloride	132. 107-06-2	Ethylene Dichloride
42. 1309-64-4	Antimony Trioxide	87. 544-18-3	Cobaltous Formate	133. 60-00-4	EDTA
43. 1303-32-8	Arsenic Disulfide	88. 14017-41-5	Cobaltous Sulfamate	134. 1185-57-5	Ferric Ammonium Citrate
44. 1303-28-2	Arsenic Pentoxide	89. 56-72-4	Coumaphos	135. 2944-67-4	Ferric Ammonium Oxalate
45. 7784-34-1	Arsenic Trichloride	90. 1319-77-3	Cresol	136. 7705-08-0	Ferric Chloride
46. 1327-53-3	Arsenic Trioxide	91. 4170-30-3	Crotonaldehyde		

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride	192. 74-89-5	Monomethylamine	249. 7632-00-0	Sodium Nitrate
138. 10421-48-4	Ferric Nitrate	193. 300-76-5	Naled	250. 7558-79-4	Sodium Phosphate, Dibasic
139. 10028-22-5	Ferric Sulfate	194. 91-20-3	Naphthalene	251. 7601-54-9	Sodium Phosphate, Tribasic
140. 10045-89-3	Ferrous Ammonium Sulfate	195. 1338-24-5	Naphthenic Acid	252. 10102-18-8	Sodium Selenite
141. 7758-94-3	Ferrous Chloride	196. 7440-02-0	Nickel	253. 7789-06-2	Strontium Chromate
142. 7720-78-7	Ferrous Sulfate	197. 15699-18-0	Nickel Ammonium Sulfate	254. 57-24-9	Strychnine and Salts
143. 206-44-0	Fluoranthene	198. 37211-05-5	Nickel Chloride	255. 100-420-5	Styrene
144. 50-00-0	Formaldehyde	199. 12054-48-7	Nickel Hydroxide	256. 12771-08-3	Sulfur Monochloride
145. 64-18-6	Fumaric Acid	200. 14216-75-2	Nickel Nitrate	257. 7664-93-9	Sulfuric Acid
146. 110-17-8	Fumaric Acid	201. 7786-81-4	Nickel Sulfate	258. 93-76-5	2,4,5-T Acid
147. 98-01-1	Furfural	202. 7697-37-2	Nitric Acid	259. 2008-46-0	2,4,5-T Amines
148. 86-50-0	Guthion	203. 98-95-3	Nitrobenzene	260. 93-79-8	2,4,5-T Esters
149. 76-44-8	Heptachlor	204. 10102-44-0	Nitrogen Dioxide	261. 13560-99-1	2,4,5-T Salts
150. 118-74-1	Hexachlorobenzene	205. 25154-55-6	Nitrophenol (all isomers)	262. 93-72-1	2,4,5-TP Acid
151. 87-68-3	Hexachlorobutadiene	206. 1321-12-6	Nitrotoluene	263. 32534-95-5	2,4,5-TP Acid Esters
152. 67-72-1	Hexachloroethane	207. 30525-89-4	Paraformaldehyde	264. 72-54-8	TDE
153. 70-30-4	Hexachlorophene	208. 56-38-2	Parathion	265. 95-94-3	Tetrachlorobenzene
154. 77-47-4	Hexachlorocyclopentadiene	209. 608-93-5	Pentachlorobenzene	266. 127-18-4	Tetrachloroethane
155. 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)	210. 87-86-5	Pentachlorophenol	267. 78-00-2	Tetraethyl Lead
156. 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)	211. 85-01-8	Phenanthrene	268. 107-49-3	Tetraethyl Pyrophosphate
157. 74-90-8	Hydrogen Cyanide	212. 108-95-2	Phenol	269. 7446-18-6	Thallium (I) Sulfate
158. 7783-06-4	Hydrogen Sulfide	213. 75-44-5	Phosgene	270. 108-88-3	Toluene
159. 78-79-5	Isoprene	214. 7664-38-2	Phosphoric Acid	271. 8001-35-2	Toxaphene
160. 42504-46-1	Isopropanolamine	215. 7723-14-0	Phosphorus	272. 12002-48-1	Trichlorobenzene (all isomers)
161. 115-32-2	Kelthane	216. 10025-87-3	Phosphorus Oxychloride	273. 52-68-6	Trichlorfon
162. 143-50-0	Kepone	217. 1314-80-3	Phosphorus Pentasulfide	274. 25323-89-1	Trichloroethane (all isomers)
163. 301-04-2	Lead Acetate	218. 7719-12-2	Phosphorus Trichloride	275. 79-01-6	Trichloroethylene
164. 3687-31-8	Lead Arsenate	219. 7784-41-0	Potassium Arsenate	276. 25167-82-2	Trichlorophenol (all isomers)
165. 7758-95-4	Lead Chloride	220. 10124-50-2	Potassium Arsenite	277. 27323-41-7	Triethanolamine
166. 13814-96-5	Lead Fluoborate	221. 7778-50-9	Potassium Bichromate		Dodecylbenzenesulfonate
167. 7783-46-2	Lead Fluoride	222. 7789-00-6	Potassium Chromate	278. 121-44-8	Triethylamine
168. 10101-63-0	Lead Iodide	223. 7722-64-7	Potassium Permanganate	279. 75-50-3	Trimethylamine
169. 18256-98-9	Lead Nitrate	224. 2312-35-8	Propargite	280. 541-09-3	Uranyl Acetate
170. 7428-48-0	Lead Stearate	225. 79-09-4	Propionic Acid	281. 10102-06-4	Uranyl Nitrate
171. 15739-80-7	Lead Sulfate	226. 123-62-6	Propionic Anhydride	282. 1314-62-1	Vanadium Pentoxide
172. 1314-87-0	Lead Sulfide	227. 1336-36-3	Polychlorinated Biphenyls	283. 27774-13-6	Vanadyl Sulfate
173. 592-87-0	Lead Thiocyanate	228. 151-50-8	Potassium Cyanide	284. 108-05-4	Vinyl Acetate
174. 58-89-9	Lindane	229. 1310-58-3	Potassium Hydroxide	285. 75-35-4	Vinylidene Chloride
175. 14307-35-8	Lithium Chromate	230. 75-56-9	Propylene Oxide	286. 1300-71-6	Xylenol
176. 121-75-5	Malthion	231. 121-29-9	Pyrethrins	287. 557-34-6	Zinc Acetate
177. 110-16-7	Maleic Acid	232. 91-22-5	Quinoline	288. 52628-25-8	Zinc Ammonium Chloride
178. 108-31-6	Maleic Anhydride	233. 108-46-3	Resorcinol	289. 1332-07-6	Zinc Borate
179. 2032-65-7	Mercaptodimethur	234. 7446-08-4	Selenium Oxide	290. 7699-45-8	Zinc Bromide
180. 592-04-1	Mercuric Cyanide	235. 7761-88-8	Silver Nitrate	291. 3486-35-9	Zinc Carbonate
181. 10045-94-0	Mercuric Nitrate	236. 7631-89-2	Sodium Arsenate	292. 7646-85-7	Zinc Chloride
182. 7783-35-9	Mercuric Sulfate	237. 7784-46-5	Sodium Arsenite	293. 557-21-1	Zinc Cyanide
183. 592-85-8	Mercuric Thiocyanate	238. 10588-01-9	Sodium Bichromate	294. 7783-49-3	Zinc Fluoride
184. 10415-75-5	Mercurous Nitrate	239. 1333-83-1	Sodium Bifluoride	295. 557-41-5	Zinc Formate
185. 72-43-5	Methoxychlor	240. 7631-90-5	Sodium Bisulfite	296. 7779-86-4	Zinc Hydrosulfite
186. 74-93-1	Methyl Mercaptan	241. 7775-11-3	Sodium Chromate	297. 7779-88-6	Zinc Nitrate
187. 80-62-6	Methyl Methacrylate	242. 143-33-9	Sodium Chromate	298. 127-82-2	Zinc Phenolsulfonate
188. 298-00-0	Methyl Parathion	243. 25155-30-0	Sodium Dodecylbenzene Sulfonate	299. 1314-84-7	Zinc Phosphide
189. 7786-34-7	Mevinphos	244. 7681-49-4	Sodium Fluoride	300. 16871-71-9	Zinc Silicofluoride
190. 315-18-4	Mexacarbate	245. 16721-80-5	Sodium Hydrosulfide	301. 7733-02-0	Zinc Sulfate
191. 75-04-7	Monoethylamine	246. 1310-73-2	Sodium Hydroxide	302. 13746-89-9	Zirconium Nitrate
		247. 7681-52-9	Sodium Hypochlorite	303. 16923-95-8	Zirconium Potassium Fluoride
		248. 124-41-4	Sodium Methylate	304. 14644-61-2	Zirconium Sulfate
				305. 10028-11-6	Zirconium Tetrachloride