M.2 - SITE MAINTENANCE FORM

62471

* ACTION: _

EPA ID : SCD980843973

SITE NAME: LOVE SPRINGS/PIEDMONT INDUSTRIAL SVCS SOURCE: T

STREET : JCT S-11-42 & S-11-49 CONG DIST: 05

CITY : GAFFNEY ZIP: 29340

CNTY NAME: CHEROKEE CNTY CODE : 021

LATITUDE : 35/03/26.3 LONGITUDE : 081/45/31.4

LL-SOURCE: R LL-ACCURACY: _

SMSA : HYDRO UNIT: 03050105

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

NPL IND: N NPL LISTING DATE: NPL DELISTING DATE:

SITE/SPILL IDS: K5

RPM NAME: RPM PHONE: - -

SITE CLASSIFICATION: SITE APPROACH:

DIOXIN TIER: REG FLD1: REG FLD2:

RESP TERM: PENDING ( ) NO FURTHER ACTION ( ) * PENDING (_) NO FURTHER ACTION (_)

ENF DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( )
ENFORCED RESPONSE ( ) COST RECOVERY ( )

SITE DESCRIPTION:

APPROXIMATELY 200 DRUMS OF LATEX AND UNKNOWN LIQUIDS DUMPED

APPROX BETWEEN 5/28/76-7/6/76

M.2 - PROGRAM MAINTENANCE FORM

ACTION: _

SITE: LOVE SPRINGS/PIEDMONT INDUSTRIAL SVCS

EPA ID: SCD980843973 PROGRAM CODE: H01 PROGRAM TYPE:

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: LOVE SPRINGS/PIEDMONT INDUSTRIAL SVCS
PROGRAM: SITE EVALUATION

EPA ID: SCD980843973 PROGRAM CODE: H01 EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: DISCOVERY STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 01/01/85	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

* _____ _____ __ ___ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: LOVE SPRINGS/PIEDMONT INDUSTRIAL SVCS
PROGRAM: SITE EVALUATION

EPA ID: SCD980843973 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S * _ ___ _ *

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: * _____ _ *

DESCRIPTION:

POTENTIAL FOR GROUNDWATER AND SURFACE WATER CONTAMINATION. * _____ *

PRIVATE WELLS ARE IN THE AREA. * _____ *

* _____ *

* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 05/03/85	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 05/14/85	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: LOVE SPRINGS/PIEDMONT INDUSTRIAL SVCS
PROGRAM: SITE EVALUATION

EPA ID: SCD980843973 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S * _ __ _ *

EVENT NAME: SITE INSPECTION STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 03/28/85	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 08/05/85	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

Q ITY ASSURANCE SUMMARY SHEET

SOUTH CAROLINA PRIORITIES LIST

Site Name: Piedmont Industrial Services Location: Cherokee County Region: IV

Note: Calculate scores to 2 decimal places.

GROUNDWATER ROUTE

	Scores Original	QA	Diff
1. OBSERVED RELEASE	0	0	0
Depth to Aquifer of Concern	6	6	0
Net Precipitation	2	2	0
Permeability of the Unsaturated Zone	2	2	0
Physical State	3	3	0
2. TOTAL ROUTE CHARACTERISTICS	13	13	0
3. CONTAINMENT	3	3	0
Toxicity/Persistence	18	18	0
Hazardous Waste Quantity	2	2	0
4. TOTAL WASTE CHARACTERISTICS	20	20	0
Groundwater Use	9	9	0
Distance to Nearest well/Population Served	10	10	0
5. TOTAL TARGETS	19	19	0

GROUNDWATER ROUTE SUBTOTAL

25.85	25.85	0

SURFACE WATER ROUTE

	Scores Original	QA	Diff
1. OBSERVED RELEASE	0	0	0
Facility Slope and Intervening Terrain	2	2	0
1-Year, 24-Hour Rainfall	3	3	0
Distance to Nearest Surface Water	6	6	0
Physical State	3	3	0
2. TOTAL ROUTE CHARACTERISTICS	14	14	0
3. CONTAINMENT	3	3	0
Toxicity/Persistence	18	18	0
Hazardous Waste Quantity	2	2	0
4. TOTAL WASTE CHARACTERISTICS	20	20	0
Surface Water Use	6	6	0
Distance to a Sensitive Environment	0	0	0
Population Served/ Distance to Water Intake	0	0	0
5. TOTAL TARGETS	6	6	0

SURFACE WATER ROUTE SUBTOTAL

2.83	2.83	0

AIR ROUTE

	Original	QA	Diff
1. OBSERVED RELEASE			
Reactivity and Incompatibility			
Toxicity			
Hazardous Waste Quantity			
2. TOTAL WASTE CHARACTERISTICS			
Population Within 4 Mile			
Distance to Sensitive Environment			
Land Use			
3. TOTAL TARGETS			

AIR ROUTE SUBTOTAL

AGGREGATE SITE RANKING

Original	QA	Diff
15.61	15.61	0

REASONS FOR SCORE DIFFERENCES
(Use other side if necessary)

Reviewer's Signature: Charles L. Thomas, Jr. Date: 5/29/85

Facility name: Piedmont Industrial Services / Lowe's site

Location: Cherokee County

EPA Region: IV

Person(s) in charge of the facility: Clyde Medley
Route 7, Box 129
Gaffney, SC 29340

Name of Reviewer: Wilson C. Miles Date: 5/23/85

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

The Piedmont Industrial Services site is the location of the dumping of approximately two truck load of latex waste into a 'L' shaped trench. Heavy metal contamination was detected at this site. Groundwater is the route of major concern pertaining the pathway, & receptors. A permit for disposal was issued & later revoked due to non-compliance

Scores: S_M = 15.61 (S_{gw} = 25.85 S_{sw} = 7.83 S_a = 0.00)

S_{FE} =

S_{DC} =

FIGURE 1
HRS COVER SHEET

Ground Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1	0	45	3.1
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 2 3	2	6	6	
Net Precipitation	0 1 2 3	1	2	3	
Permeability of the Unsaturated Zone	0 1 2 3	1	2	3	
Physical State	0 1 2 3	1	3	3	
	Total Route Characteristics Score		13	15	
3 Containment	0 1 2 3	1	3	3	3.3
4 Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8	
	Total Waste Characteristics Score		20	26	
5 Targets					3.5
Ground Water Use	0 1 2 3	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1	10	40	
	Total Targets Score		19	49	
6 If line 1 is 45, multiply 1 x 4 x 5 / If line 1 is 0, multiply 2 x 3 x 4 x 5			14820	57,330	
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} = 25.85			

FIGURE 2
GROUND WATER ROUTE WORK SHEET

Surface Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 1 2 3	1	2	3	
1-yr. 24-hr. Rainfall	0 1 2 3	1	3	3	
Distance to Nearest Surface Water	0 1 2 3	2	6	6	
Physical State	0 1 2 3	1	3	3	
	Total Route Characteristics Score		14	15	
3 Containment	0 1 2 3	1	3	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 18	1	15	18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8	
	Total Waste Characteristics Score		20	26	
5 Targets					4.5
Surface Water Use	0 1 2 3	3	6	9	
Distance to a Sensitive Environment	0 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
	Total Targets Score		6	55	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			5040	64,350	
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} = 7.83			

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S_a = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3			0	35,100	
5 Divide line 4 by 35,100 and multiply by 100		S_a = 0.00			

FIGURE 9
AIR ROUTE WORK SHEET

	S	S^2
Groundwater Route Score (S_{gw})	25.85	668.22
Surface Water Route Score (S_{sw})	7.83	61.31
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		729.53
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		27.01
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		15.61

FIGURE 10
WORKSHEET FOR COMPUTING S_M

Fire and Explosion Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Containment	1 3	1		3	7.1
2 Waste Characteristics					7.2
Direct Evidence	0 3	1		3	
Ignitability	0 1 2 3	1		3	
Reactivity	0 1 2 3	1		3	
Incompatibility	0 1 2 3	1		3	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 3 4 5	1		5	
Distance to Nearest Building	0 1 2 3	1		3	
Distance to Sensitive Environment	0 1 2 3	1		3	
Land Use	0 1 2 3	1		3	
Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Total Targets Score				24	
4 Multiply 1 x 2 x 3				1,440	
5 Divide line 4 by 1,440 and multiply by 100	S_{FE} =				

FIGURE 11
FIRE AND EXPLOSION WORK SHEET

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	0 45	1		45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	1		3	8.2
3 Containment	0 15	1		15	8.3
4 Waste Characteristics Toxicity	0 1 2 3	5		15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 4 5	4		20	
Distance to a Critical Habitat	0 1 2 3	4		12	
Total Targets Score				32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				21,600	
7 Divide line 6 by 21,600 and multiply by 100	S_{DC} =				

FIGURE 12
DIRECT CONTACT WORK SHEET

June 28, 1982

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Piedmont Industrial Services / Love Springs Site

LOCATION: Cherokee County

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

GWPD NONE

Rationale for attributing the contaminants to the facility:

NONE

GWPD

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Water table - saprolite aquifer
GWPD crystalline bedrock aquifer

SI report

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

GWPD ~ 20 feet to water table aquifer SI Report

value of 3

Depth from the ground surface to the lowest point of waste disposal/ storage:

GWPD ~ 10 feet SI Report

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

47"

GWPD

HRS using Manual

Mean annual lake or seasonal evaporation (list months for seasonal):

GWPD 41"

HRS using Manual

Net precipitation (subtract the above figures):

GWPD 6"

47-41 = 6"

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

GWPD Cecil - redclay with quartz and mica
relatively impermeable (10^{-4}-10^{-6} cm/sec)
SI Report

Permeability associated with soil type:

GWPD 2.5-5.0 "/hour moderate permeability
2.73×10^{-4} - 5.47×10^{-4}

Value of 2 SI Report

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

liquid, solid latex type waste with liquid characteristics

SI Report

State files

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Trench dug and drums deposited therein
no liner, earth layer on top
LDFL surface encourages ponding

Method with highest score:

Landfill
no liner or incompatible liner
value of 3 SI Report

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Chromium
Arsenic
Lead
trichloroethylene methane

Compound with highest score:

Chromium - 18

Arsenic - 18 Sample Analysis
Higher levels of Arsenic in trench samples than in control sample SI Report

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Two trench loads 1 trench load single load ≡ 42
single stack

42 x 2 = 84 drums

Basis of estimating and/or computing waste quantity:

Two trench loads are reported to have been disposed of at this site

42 single stack x 2 = 84 drums
value of 2 SI Report

* * *

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

GWPD

Only source for drinking shallow & deep aquifer used as private water source

SI Report

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

0.18 mile NE of site

SI Report

Distance to above well or building:

0.18 mile

SI Report

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

GWPD

~ 50 persons

Domestic wells with a population > 50

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

GWPD

Unknown

Total population served by ground water within a 3-mile radius:

GWPD

Greater than 50 persons

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

GWPD None

SI Report Sample analysis

Rationale for attributing the contaminants to the facility:

GWPD None

SI Report - Sample analysis

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

GWPD 3-6% Take worst case 6%

SI Report

Name/description of nearest downslope surface water:

GWPD Small tributary of Rocky Ford flowing SE

SI Report

Average slope of terrain between facility and above-cited surface water body in percent:

GWPD 3-6% worst case 6%

SI Report

Is the facility located either totally or partially in surface water?

GWPD NO

Is the facility completely surrounded by areas of higher elevation?

GWPD NO

1-Year 24-Hour Rainfall in Inches

GWPD ≈ 3.25"

HES users manual

Distance to Nearest Downslope Surface Water

GWPD 150'

On Site Investigation Topo map

Physical State of Waste

liquid latex waste

SI Report

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Trench dug with drums deposited after wasted covered w/ dirt

no liner

LDFL surface encourages ponding

Method with highest score:

LDFL : no liner

value of 3

SI Report

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Chromium
Arsenic
Lead

Compound with highest score:

Arsenic - 18

Higher levels of As in trench sample than in control sample SI Report Sample Analysis
SW216, SW 217, SW 218 — 300 ppm | SW 219 — 150 ppm

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Two truck loads
54 drums

Basis of estimating and/or computing waste quantity:

1 truck load single high - 42 drums * 2 truck loads = 84

SI Report

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

SWPD Recreational

SI Report

Is there tidal influence?

GWPD NO

Ground water Protection Division (GWPD) - Dee O'Brien

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

GWPD N/A

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

GWPD N/A

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

GWPD none

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

GWPD NONE

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

GWPD N/A

Total population served:

GWPD 0.0

Name/description of nearest of above water bodies:

GWPD Tributary which feeds Rocky Creek which is a spring fed stream flowing S.E.

Distance to above-cited intakes, measured in stream miles.

GWPD Greater than 3.0 miles

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

NONE

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi 0 to 1 mi 0 to 1/2 mi 0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

Board
Moses H. Clarkson, Jr., Chairman
Gerald A. Kaynard, Vice-Chairman
Oren L. Brady, Jr., Secretary
Barbara P. Nuessle
James A. Spruill, Jr.
William H. Hester, M.D.
Euta M. Colvin, M.D.

MEMORANDUM

TO: US EPA, Region IV
345 Courtland Street
Atlanta, GA 30365

FROM: CERCLA PA/SI Program WCMR
SC DHEC
Bureau of Solid and Hazardous Waste Management
2600 Bull Street
Columbia, SC 29201

SUBJECT: Piedmont Industrial Services/Love Springs Site - Site Inspection Report

DATE: May 17, 1985

I. EXECUTIVE SUMMARY

The Piedmont Industrial Services Site, near Macedonia in Cherokee County, is the location of an abandoned industrial solid waste disposal facility whose permit was voided less than two months after its issuance as a result of noncompliance with permit conditions. Based on district personnel, approximately two truck loads of drums were dumped into the "L" shaped trench on site. A scan of the trench was made with a metal detector set to detect large masses of metal and to a penetration depth of 0-4 feet. Some metal was detected about 50 feet from the west end of the longer trench. The site investigation was conducted by the Site Screening & Engineering Section of SC DHEC on December 19, 1984. The site is located south of Macedonia off of S11-42. Five samples were taken: four sediment and one surfacewater. Subsequent to the site inspection, it became necessary to go back to the Piedmont Industrial Services Site. At this time further monitoring was performed with the metal detector, set at maximum depth and for large metal objects, which yielded negative results.

II. BACKGROUND

A. Location

The Piedmont Industrial Services Site is located off of county road 42 about 0.8 mile from county road 39. Directions to the site are as follows: from Gaffney, SW on highway 29 to county road 39, turn right, go to county road 42, turn left, go approximately 0.8 mile and site is on the right about 0.1 mile off the road. The coordinates of the site are latitude 35 degrees 3 minutes and 26.3 seconds and longitude 81 degrees 45 minutes and 31.4 seconds. The closest address for this site would be Gaffney, South Carolina 29340.

B. Site Layout

The site consists of two connecting trenches, one tending east-west with a length of approximately 200 feet and the second tending north-south approximately 100 feet in length. The site is located in an area of increased relief sloping southwest. The site covers an area of approximately 5.0 acres. The nearest drinking water well and population is 0.18 mile from the site. Population in the area is rural and sparsely populated with only 19 persons in a 0.25 mile radius and about 38 persons in a 0.5 mile radius of the site. The Rock Ford Creek is approximately 150 feet south of the north-south trench, Private wells are in the area, however, the closest downgradient well is 0.5 mile from the site. The site slope, as well as, the average slope of the surrounding terrain is in the order of 3-6% to the south.

C. Ownership History

The property on which the "L" shaped trench is located is owned by Catawba Newsprint Co. at the following address; Calhoun, TN 37309. The operator of this site was Clyde Medley at Route 7, Box 129, Gaffney, South Carolina 29340, Phone: (803) 489-2138. The owner at the time of the operation of this landfill was Mrs. Wade S. Weatherford, Jr., at the following address; 308 Union Street, Gaffney, S.C., 29340.

D. Site Use History

For a short time in 1976 (5-28-76 to 7-6-76) this site was permitted for the burial of latex waste in drums. It's permit was later voided due to noncompliance with permit conditions.

E. Permit and Regulatory History

The Department issued Piedmont Industrial Services Industrial Landfill Permit #IWP-131 for the operation of an industrial solid waste disposal facility on May 28, 1976. This permit was approved by H. Gerald Edwards who was at the time Director of Solid Waste Management Division. This permit was voided because of non-compliance with permit conditions.

F. Remedial Actions to Date

No remedial action has taken place at this site to date.

G. Summary Trip Report

On December 19, 1984 John Cresswell, Charlie Strange, Stan Clark, and Coleman Miles performed a site inspection at the Piedmont Industrial Services Site located in Cherokee County, South Carolina. A "L" shaped trench was found upon visual inspection which is estimated to be 200 feet by 100 feet and 15-20 feet wide at the top. A drum lid was found as well as some metal detected underground about 50 feet from the west end of the longer trench. Most of the trench was unable to be surveyed due to heavy overgrowth of trees, brush, and briars. One surface water and four sediment samples were taken. The analysis

run on all of the sediment samples are flashpoint, heavy metals (As, Ba, Cd, Cr, Cd, Pb, Mn, Ni, Se, Ag) and volatile organics-acid base neutral extractables. All are being held for E.P. The surface water sample was analyzed for the above mentioned parameters, excluding flashpoint, with the addition of nutrients (including nitrite), TDS, pH, alkalinity, and TOC. There were no parties present or known of who wanted to split samples. The samples were deposited at the Central Laboratory in Columbia, South Carolina maintaining claim of custody. Photographs were taken to maintain a record of sampling and stie specific information.

H. Apparent Seriousness of Problem

Due to a lack of significant contamination, it is the recommendation of the Department to rate this site as a Low Priority. Further action is deemed necessary but is not of immediate concern. A site inspection followup is recommended on a time available basis.

WCM/trh

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980843973

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Piedmont Industrial Services/Love Springs	S11-39 0.3 miles west of S11-42 Intersection

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Gaffney	SC	29340	Cherokee	021	

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
35° 03' 26.3"	0 81° 45' 31.4"	☐ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☒ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
12 / 19 / 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	5/28/76 (BEGINNING YEAR) / 7/6/76 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☒ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Wilson C. Miles, Jr.	Environmental Engineer	SCDHEC	(803) 758-5681

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
John K. Cresswell	Environmental Engineer	SCDHEC	(803) 758-5681
Charles S. Strange	Environmental Manager	SCDHEC	(803) 758-5681
Stan Clark	Geologist	SCDHEC	(803) 758-5231
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
NONE PRESENT AT			( )
TIME OF INSPECTION			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1:45 P.M.	Warm 75°F Mostly Sunny with slight breeze

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Wilson C. Miles, Jr.	EQC/SCDHEC	(803) 758-5681

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Wilson C. Miles, Jr.	EQC	SCDHEC	(803) 758-5681	05 / 13 / 85 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980843973

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

The groundwater in the immediate area could be contaminated; however, the population affected is zero due to the distance from the point of disposal.

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

A stream sample was taken and no contamination was detected

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

NONE

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

NONE

01 ☒ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Area is overgrown with briars. Drains appear to have been covered adequately.

01 ☒ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 2.0 (Acres)
02 ☒ OBSERVED (DATE: 12/19/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

High levels of arsenic, chromiun and lead have shown up in sediment samples taken on site that are higher than the control sample taken.

01 ☒ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Although local residents use groundwater as their drinking water supply, there is no evidence for offsite migration of contaminants.

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

NONE

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

Due to the location of this site, it is highly unlikely that any population would be exposed to any contamination thus the likelihood of injury is none.

EPA

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

I. IDENTIFICATION

01 STATE: SC
02 SITE NUMBER: D980843973

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				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☒ I. OTHER (Specify)	IWP-131	5/28/76	5/28/77	Industrial Solid Waste Disposal Facility
☐ 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 Trench (Specify)	Drums buried in a trench and covered	

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ 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

Abandoned

06 AREA OF SITE: ~5.0 (Acres)

07 COMMENTS

District personnel observed approximately two truck loads of drums dumped into the trench and has no reason to believe there were more. The site was permitted for burial of latex waste in drums. The permit was voided because of non-compliance with permit conditions.

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.

Druma are not visible but in the plans of this disposal facility no liner was mentioned for the trench. Therefore, any drums disposed of are in an unlined trench.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☒ YES ☐ NO

02 COMMENTS

Contaminated soil (heavy metals) was surface soil.

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

District personnel interview
On site inspection
Preliminary Assessment
State files

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: SC
02 SITE NUMBER: D980843973

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
50-80 (ft)	G.T. 0.5 (ft)	5.0-6.0

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
6.0 (in)	3.00 (in)	3-6 %	S	3-6 %

09 FLOOD POTENTIAL: SITE IS IN not 100 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. 3.0 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)
ENDANGERED SPECIES: unknown

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. 3.5 (mi)	B. 3.5 (mi)	C. unknown (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in an area of increased relief sloping southwest. Soils at the site are similar to the cecil series, typically red in color and associated with sloping well drained areas.

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

SC Ground water protection Division
SCDHEC Water Supply-Intake Map
SC Soil Survey-Cherokee County
7.5 Topo US 65
HRS Users Manual

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980843973

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
Catawaba Newsprint Co.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE
Calhoun	TN	37309

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER
Mrs. Wade S. Weatherford	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
308 Union Street	

05 CITY	06 STATE	07 ZIP CODE
Gaffney	SC	29340

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

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

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	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

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

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

Preliminary Assessment
District interview
State Files

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
SC	980843973

II. ON-SITE GENERATOR

01 NAME	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)

State Files
On Site Inspection

EPA

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

I. IDENTIFICATION
01 STATE: SC
02 SITE NUMBER: D980843973

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ S. CAPPING/COVERING
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ W. GAS CONTROL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ X. FIRE CONTROL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☒ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION
02 DATE 1976 03 AGENCY SCDHEC

For a short time in 1976, this site was permitted for the burial of latex waste in drums. This permit was voided because of non-compliance with permit conditions.

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

Preliminary Assessment
State Files

EPA FORM 2070-13 (7-81)

Contact: Bob Scuxelle

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location: Love Springs Site County: Cherokee
Sample Type: Sediment Comments: Hold for E.P.
Date: 12/19/84 Collected by: Chesswell & Strange

An "X" in the small column indicates test requested

Time Collected (Milit.)		3:00pm		3:10pm		3:25pm			3:00pm		3:10pm		3:25pm
Sample Point		LSP-1		LSP-2		LSP-3			LSP-1		LSP-2		LSP-3
Lab No.	SW	216		217		218		SW	216		217		218
NH_3-N, mg/l								Calcium					
NO_3/NO_2-N, mg/l								Magnesium					
TKN								Sodium					
Nitrite, N, mg/l								Potassium					
T-P,								Arsenic	X	230	X	3.0	X 280
Hardness, mg/l								Barium	X	<50	X	<50	X 50
Cl, mg/l								Cadmium	X	<1.0	X	<1.0	X <1.0
SO_4, mg/l								Chromium	X	32	X	38	X 23
Flashpoint, °F	X	>140°	X	>140°	X	>140°		Copper					
Solids, Total, mg/l								Iron					
Solids, Tot. Diss, mg/l								Lead	X	24	X	27	X 27
Solids, %								Manganese	X	110	X	120	X 260
pH								Mercury					
Alkalinity mg/l								Nickel	X	9.0	X	11	X 10
Fluoride, mg/l								Selenium	X	<0.5	X	<0.5	X <0.5
TOC								Silver	X	<50	X	<50	X <50
Phenols, µg/l								Zinc					
COD													
Cyanide, mg/l										mg/kg		mg/kg	mg/kg
MBAS, mg/l								Remarks:					

Date Received in Regional Laboratory _____ by _____
Date Released from Regional Laboratory _____ by _____
Date Received in Central Laboratory 12-20-84 by AMT
Date Released from Spec & A. A. Section _____ by _____
Date Released from Metals Section 4-4-85 by AMThompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

Contact: Bob Seitelle

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Love Springs Site County Cherokee
Sample Type Sediment Comments Hold for E.P.
Date 12/19/84 Collected By Cresswell + Strange

An "X" in the small column indicates test requested.

	(Soil)	(Soil)	(Soil)
Time Collected (Milit.)	3:00pm	3:10pm	3:25 pm
Station No.	LSP-1	LSP-2	LSP-3
Lab. No. Sw	216	217	218
Chlorinated hydrocarbons, µg/l			
Endrin, mg/l			
Lindane, mg/l			
Methoxychlor, mg/l			
Toxaphene, mg/l			
Organophosphates, µg/l			
PCBs, µg/l			
Volatile Organics	trichlorofluoromethane	None detected	trichlorofluoromethane
Other			
~~Volatile Organics~~	X	X	X
Acid-Base Neutral Extractables	**	**	**

Comments **Results released 02/21/85.

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory 12-20-84 By [illegible]
Date Released from Organic Section 3/13/85 By aow

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: LOVE SPRINGS SITE **Sample Type:** SEDIMENT

Date of Collection: 12/19/84 **Collected by:** CRESSWELL STRANGE

Sample Number: SW 216, SW 217, SW 218 Base-Neutral/Acid Extractable Results

SW 216 -- NONE DETECTED

SW 217 -- NONE DETECTED

SW 218 -- NONE DETECTED

Reported by [illegible] Date 2/21/85

Contact: Bob Sentle

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location: Love Springs Site County: Cherokee
Sample Type: Sediment Comments: Hold for E.P.
Date: 12/19/84 Collected by: Chesswell + Strange

An "X" in the small column indicates test requested

Time Collected (Milit.)		3:40 pm					3:40 pm		
Sample Point		LSP-4					LSP-4		
Lab No.	SW	219				SW	219		
NH_3-N, mg/l					Calcium				
NO_3/NO_2-N, mg/l					Magnesium				
TKN					Sodium				
Nitrite, N, mg/l					Potassium				
T-P,					Arsenic	X	130		
Hardness, mg/l					Barium	X	<50		
Cl, mg/l					Cadmium	X	<1.0		
SO_4 mg/l					Chromium	X	150		
Flashpoint, °F	X	>140°			Copper				
Solids, Total, mg/l					Iron				
Solids, Tot. Diss, mg/l					Lead	X	32		
Solids, %					Manganese	X	230		
pH					Mercury				
Alkalinity mg/l					Nickel	X	15		
Fluoride, mg/l					Selenium	X	<0.5		
TOC					Silver	X	<5.0		
Phenols, µg/l					Zinc				
COD									
Cyanide, mg/l									
MBAS, mg/l							mg/kg		

Remarks:

Date Received in Regional Laboratory _____ by _____
Date Released from Regional Laboratory _____ by _____
Date Received in Central Laboratory 12-20-84 by AMT
Date Released from Spec & A. A. Section _____ by _____
Date Released from Metals Section 4-4-85 by AMThompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

Contact: Bob Sentelle

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Love Springs Site County Cherokee
Sample Type Sediment Comments Hold for E.P.
Date 12/19/84 Collected By Cresswell + Strange

An "X" in the small column indicates test requested.

Time Collected (Milit.)		LSP-4		
Station No.				
Lab. No. S(L)		219		
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l				
Lindane, mg/l				
Methoxychlor, mg/l				
Toxaphene, mg/l				
Organophosphates, µg/l				
PCBs, µg/l				
Other				
Volatile Organics /	X	trichlorofluoromethane		
Acid-Base Neutral		Released 02/21/85.		
Extractables				

Comments

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory 12-20-84 By DMT
Date Released from Organic Section 3/14/85 By [illegible]

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: LOVE SPRINGS SITE

Sample Type: SEDIMENT

Date of Collection: 12/19/84

Collected by: CRESSWELL STRANGE

Sample Number: SW 219

Base-Neutral/Acid Extractable Results

(1) NONE DETECTED

Reported by [illegible]

Date 9/21/85

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location: Love Springs Stream County: Cherokee
Sample Type: Surface water Comments:
Date: 12/19/84 Collected by: Stan Clark

An "X" in the small column indicates test requested

Time Collected (Milit.)		3145 p.m.					3145 p.m.		
Sample Point		LSP-5					LSP-5		
Lab No.	SW	220				SW	220		
NH_3-N, mg/l	X	0.05			Calcium				
NO_3/NO_2-N, mg/l	X	0.69			Magnesium				
TKN					Sodium				
Nitrite, N, mg/l	X	<0.02			Potassium				
T-P,					Arsenic	X	<0.005		
Hardness, mg/l					Barium	X	<0.5		
Cl, mg/l					Cadmium	X	<0.010		
SO_4, mg/l					Chromium	X	<0.05		
Flashpoint, °F					Copper				
Solids, Total, mg/l					Iron				
Solids, Tot. Diss, mg/l	X	22			Lead	X	<0.05		
Solids, %					Manganese	X	<0.05		
pH	X	6.0			Mercury	X	<0.0002		
Alkalinity mg/l	X	5			Nickel	X	<0.05		
Fluoride, mg/l					Selenium	X	<0.005		
TOC	X	2.4			Silver	X	<0.05		
Phenols, µg/l					Zinc				
COD									
Cyanide, mg/l							mg/l		
MBAS, mg/l									

Remarks: Metals and Nutrients were not preserved in the field.

Date Received in Regional Laboratory _____ by _____
Date Released from Regional Laboratory _____ by _____
Date Received in Central Laboratory 12-20-84 by AMT
Date Released from Spec & A. A. Section 1/25/85 by C.R. Harris
Date Released from Metals Section 1/25/85 by A.M. Thompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

Contact: Bob Jentelle

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Love Springs Stream County Cherokee
Sample Type Surface water Comments
Date 12/19/84 Collected By Stan Clark An "X" in the small column indicates test requested.

Time Collected (Milit.)	3:45 p.m.			
Station No.	LSP-5			
Lab. No. SW	220			
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l	<0.0002			
Lindane, mg/l	<0.004			
Methoxychlor, mg/l	<0.10			
Toxaphene, mg/l	<0.005			
Organophosphates, µg/l				
PCBs, µg/l	<0.50			
Other				
Volatile Organics/	X None detected			
Acid-Base Neutral	None detected			
Extractables				

Comments

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory 12-20-84 By AMT
Date Released from Organic Section 1/21/85 By [illegible]

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

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James A. Spruill, Jr.
William H. Hester, M.D.

MEMORANDUM

TO: Piedmont Industrial Services File
Cherokee County

FROM: Wilson C. Miles, Jr. WCM, Jr.
Environmental Engineer
Site Engineering Section
Bureau of Solid & Hazardous Waste Management

SUBJECT: Love Springs Site Inspection Trip Report

DATE: February 12, 1985

On December 19, 1984 John Cresswell, Charlie Strange, Stan Clark (Geologist), and the writer traveled to Cherokee County to perform site inspections at the Duke Power Property Site and the Piedmont Industrial Services Site. After completion of the site inspection at Duke Power that morning, all personnel proceeded to the Piedmont Industrial Services Site to complete the scheduled site inspection there. A reconnaisance had been performed by the writer and Mr. Bill Buffington, Jr., Appalachia III District Hazardous Waste Consultant, on December 10, 1984.

A "L" shaped trench was found upon visual inspection of the site. Only briars were evidenced to be growing in the trench and then, only in spots. Approximately thirty percent was overgrown with briars and small trees while more than fifty percent was grown over with brush of some kind (including briars). The approximate length of the trench is about two hundred feet on the long side and about one hundred feet long on the short side. The top of the "L" shaped trench was about fifteen to twenty feet wide.

Outside of the overgrown areas, the entire trench was monitored using the metal detector. The metal detector was set to detect large masses of metal and to a penetration depth of 0 - 4 feet. Some metal was detected about 50 feet from the west end of the longer trench. It was not possible to detect farther east due to the heavily wooded and briar growth present. Also a drum lid was found about 125 feet from the west end of the longer trench.

Four sediment and one surface water samples were taken. The following table gives pertinent information on these samples.

Sample #	SW#	Time Taken	Type	Location
LSP-1	216	3:00 p.m.	sediment	drum lid area
LSP-2	217	3:10 p.m.	sediment	8' east of LSP-1
LSP-3	218	3:25 p.m.	sediment	trench corner
LSP-4	219	3:40 p.m.	sediment/ background	25' SSW of house
LSP-5	220	3:40 p.m.	water/ stream	stream/road intersection

TABLE 1

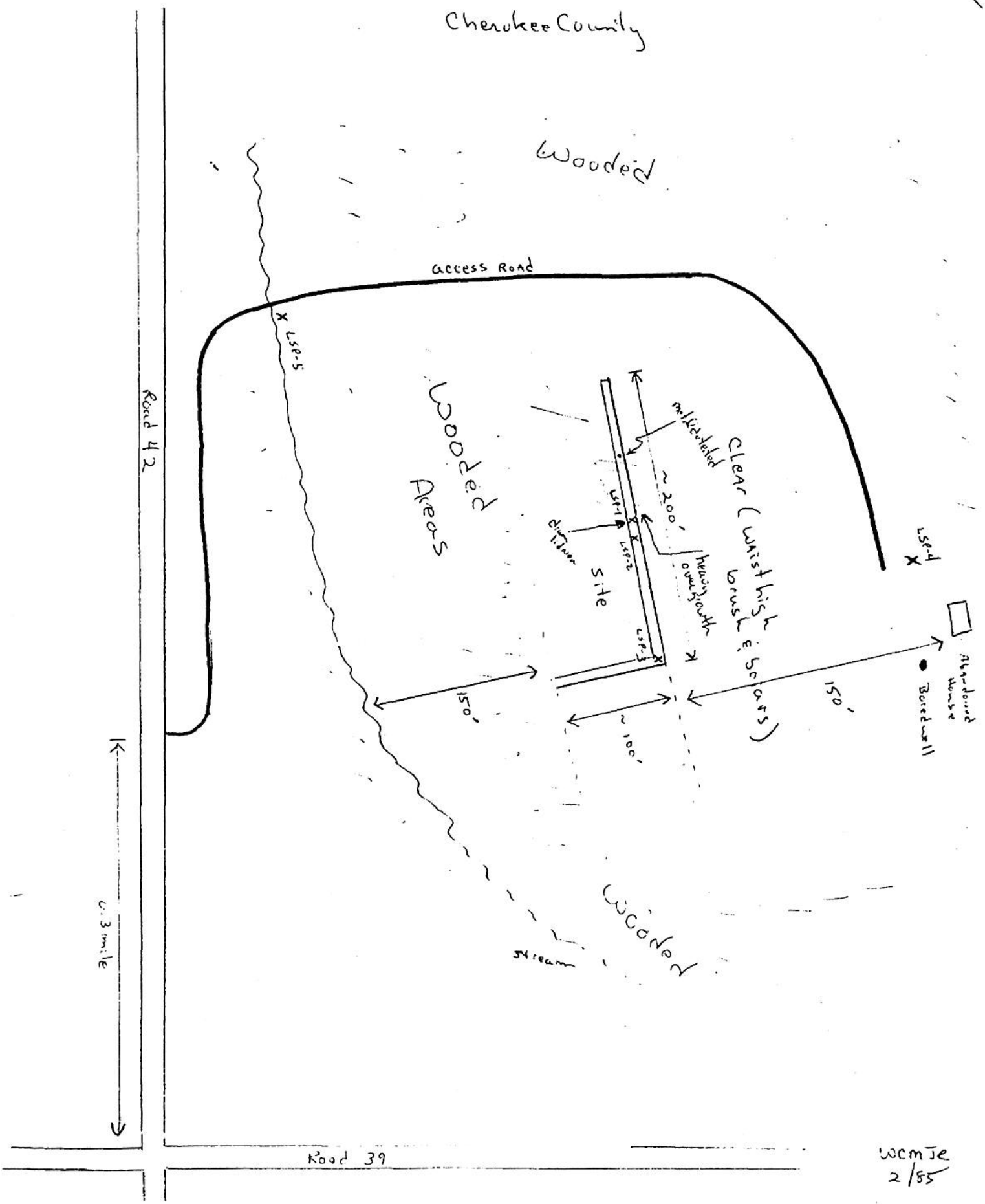
The analysis run on all four sediment samples are flashpoint, heavy metals (As, Ba, Cd, Cr, Pb, Mn, Ni, Se, Ag) and volatile organics - acid base neutral extractables. All are being held for E.P. The surface water sample is being analyzed for the above mentioned parameters, excluding flashpoint. Additional analysis requested is for nutrients (including nitrite), TDS, pH, alkalinity and TOC. The metals and nutrients portion of the sample were not field preserved. This sample is not being held for E.P. There were no parties present or known of who wanted to split samples. The above samples were turned in to the Central Laboratory the following morning by Mr. Strange at 9:25 a.m. on December 20, 1984. Ms. Thompson of the Central Laboratory checked all samples in, accepted custody of the samples, and signed the chain of custody form.

For additional information pertaining to ground-water, refer to the memorandum from Stan Clark to Wilson Miles, Jr. dated January 11, 1985.

WCM:bes

cc: Bill Buffington, Jr., Appalachia III District
Jim Ullery
Bob Sentelle

LOVE SPRINGS SITE



WCMJE
2/85

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

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William H. Hester, M.D.

MEMORANDUM

TO: Piedmont Industrial Services File
Cherokee County

FROM: Wilson C. Miles, Jr. WCM,Jr
Environmental Engineer
Site Engineering Section
Bureau of Solid & Hazardous Waste Management

SUBJECT: Post S.I. Investigation/RCRA 3012 Program

DATE: February 12, 1985

On January 15, 1985 John Cresswell and the writer (both of the Central Office) met Bill Buffington, Jr., Appalachia III District Hazardous Waste Consultant, in Gaffney, S.C. at 8:00 a.m. for a scheduled meeting with Ms. Gail White, active member of ACT (Against Chemical Trash). Ms. Cecilia Atkins arrived later.

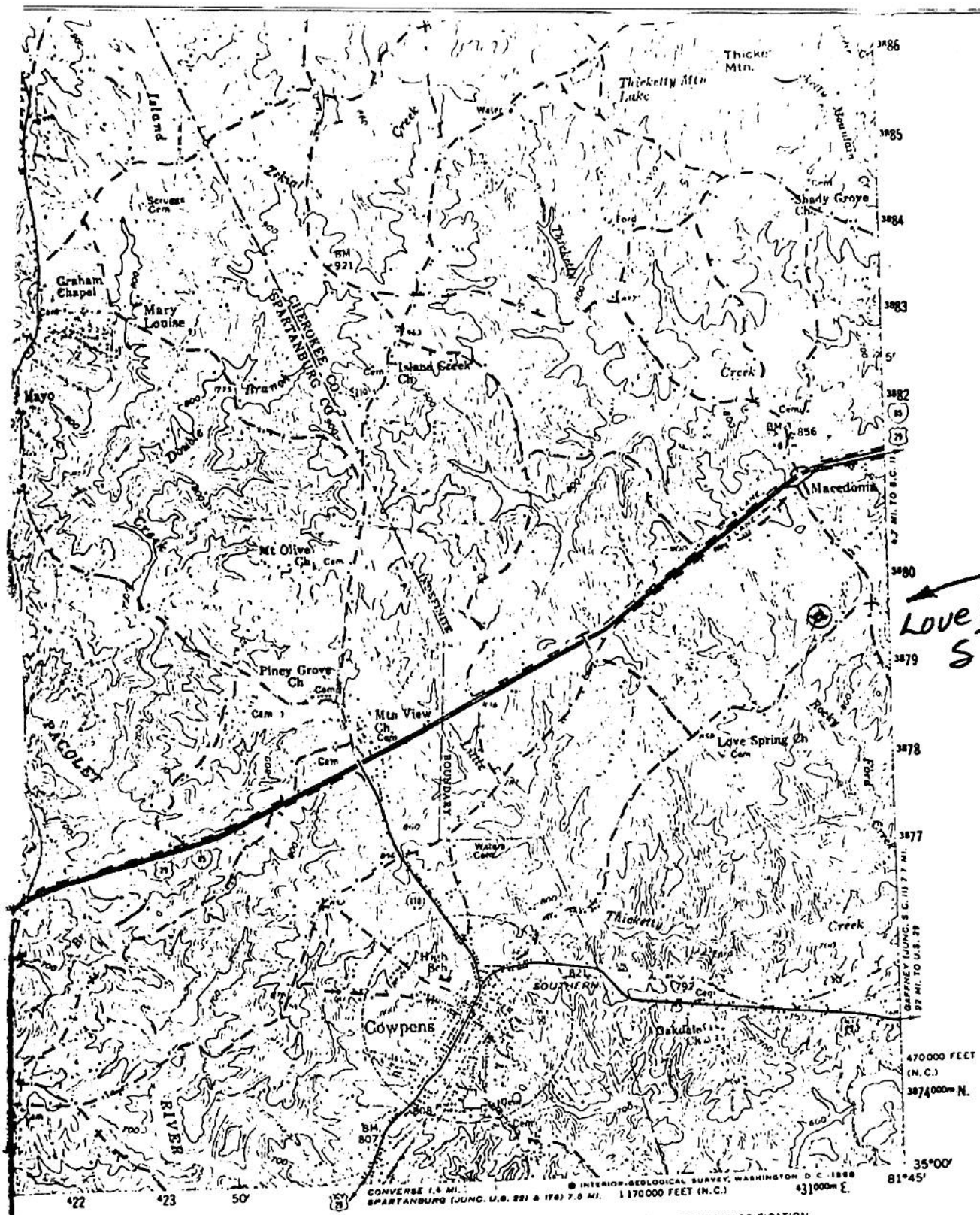
During this meeting, Ms. White showed us photographs of the Love Springs Site during its short lived existence as an active means of industrial waste disposal. Noted during the meeting was what appeared to be an unidentified trench, several angles of different piles of drummed waste and tractor trailers that were present during the disposal of industrial waste. Conclusions that arose from this meeting were that there could have been more than one trailer load of waste and there might be another trench, since filled in.

As a result of the above mentioned meeting, Mr. Cresswell and the writer deemed it necessary to go back to the site, with a sketch made from the photograph showing what might be another trench, and to determine by all available means (metal detector) the location of the above referenced trench.

After getting on-site and getting a feel of the angle of the photograph (showing the extra trench), it became obvious to all personnel present (Mr. Buffington, Mr. Cresswell and the writer) that the photograph of the extra trench was in fact a photograph of the existing trench in its early stages of development. This was supported by the angle of the photograph taken, the terrain of the site and the location of the house on-site which was used as a reference point. However, after coming to this conclusion, we decided to run a metal search on the angle line seen in the above photograph using the metal detector. The scan gave negative results with the detector set for maximum depth detection.

Later, after completion of the above investigation, Central Office personnel returned to Columbia.

WCM:bes
cc: Bill Buffington, Jr., Appalachia III District
Jim Ullery
Bob Sentelle



15 min. Sen.

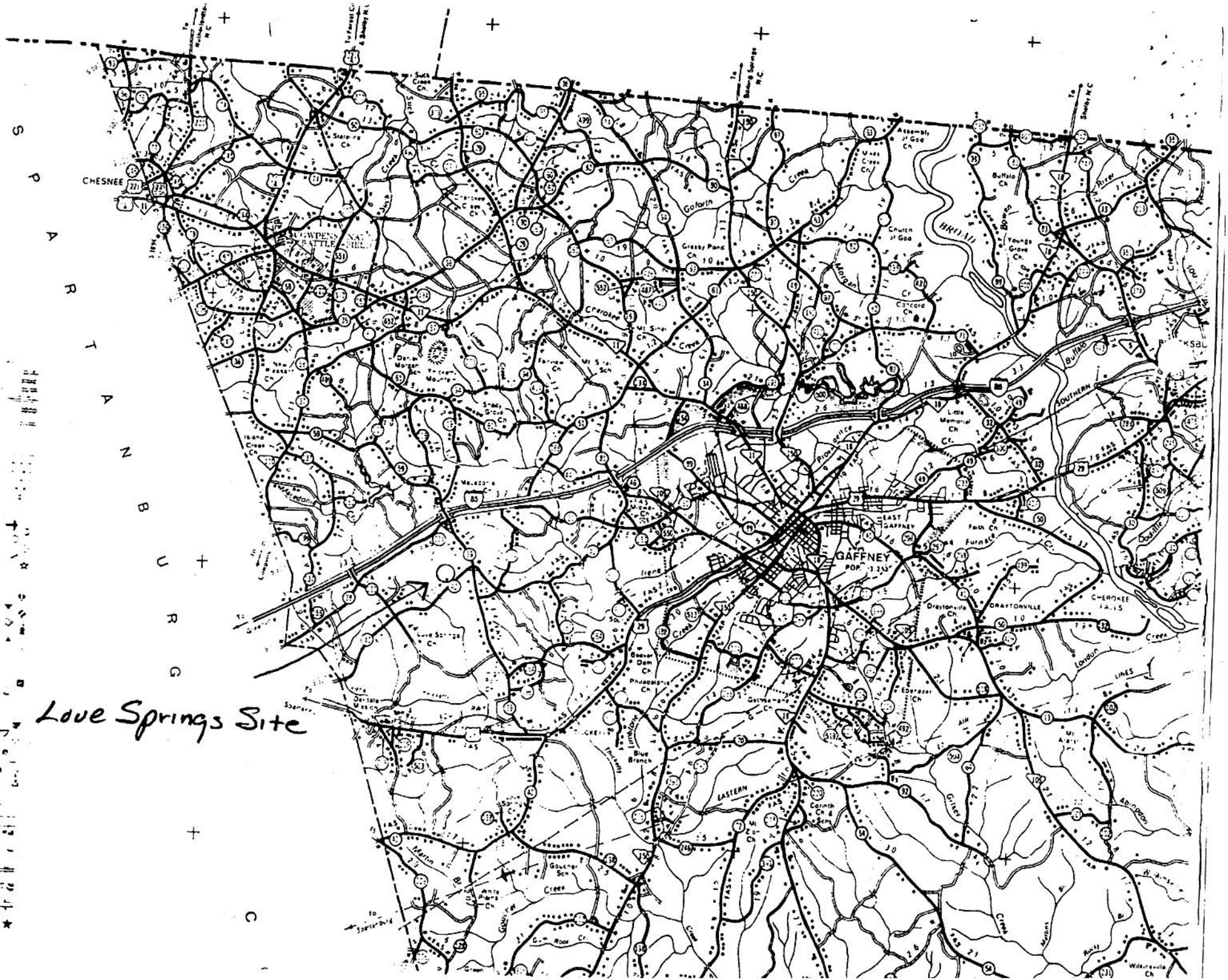
COWPENS, S.C.–N.C.

N3500—W8145/15

1959

AMS 4654 III–SERIES V746

STANDARDS
GTON, D.C. 20242
AVAILABLE ON REQUEST


SPARTANBURG
CHESNEE
GAFFNEY
EAST GAFFNEY
DRAYTONVILLE
CHEROKEE FALLS
Goforth Creek
Cherokee Creek
Buffalo Ch
Church of God
Grassy Pond Ch
Little Memorial Ch
Drayton Ch
Blue Branch
Eastern
Southern
Buffalo
Abingdon
Gilkey
Creek
Love Springs Ch
Philadelphia Ch
Beaver Dam Ch
Gethsemane Ch
Ebenezer Ch
Corinth Ch & Sch
Gaucher Sch
Martin Br
Wilkinsville Ch
Irene
Furnace
Doolittle
Lines
London
Creek
Macedonia
Island Creek Ch
Stateline Ch
Sutch Creek Ch
Cherokee Creek Ch
Mt Sinai Ch
Mt Sinai Sch
Fairview Ch
Snady Grove Ch
Thicketty
Gum Root Cr
Goucher Creek
Martin Br
Wilkinsville Ch
Abingdon
Gilkey
Creek
Mt Ararat
Bowen River
Youngs Grove Ch
Assembly of God Ch
Mines Creek Ch
Concord Ch
Morgan Cr
Providence
Faith Ch
Drayton Ch
Love Springs Site

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

Appalachia III District
Environmental Quality Control
151 E. Wood Street
Spartanburg, S.C. 29303
(803) 596-3800

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William H. Hester, M.D.

April 24, 1985

MEMORANDUM

To: File

From: William L. Buffington, Jr., R.S.
District Solid Waste Consultant
Appalachia III District

Re: Love Springs Site (Cherokee County)
Priority Assessment on Preliminary Assessment

A low priority assessment was given this site because it was only operated for several weeks (5/28/76 to 7/06/76).

The writer saw approximately two truck loads of drums dumped into the trench and has no reason to believe there were more.

RECEIVED
APR 25 1985
S. C. DEPT. OF HEALTH AND
ENVIRONMENTAL CONTROL
Bureau of Solid & Hazardous
Waste Management

WLB,jr./dlk

cc: Charlie Strange - Bureau of Solid & Hazardous Waste Management

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: SC
02 SITE NUMBER: D980843973

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): Love Springs Site

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: ON Co Rd 42, 0.8 mi from INT of Co Rd 39

03 CITY: GAFFNEY

04 STATE: SC | 05 ZIP CODE: 29340 | 06 COUNTY: Cherokee | 07 COUNTY CODE | 08 CONG DIST

09 COORDINATES LATITUDE: 35° 03' 26.3" | LONGITUDE: 081° 45' 31.4"

DISTRICT 29
TAX MAP 29-00-00-026 100.69 AC

10 DIRECTIONS TO SITE (Starting from nearest public road):
From GAFFNEY, SW on Hwy 29 to Co Rd 39, turn Right, go to Co Rd 42, turn left go approx 0.8 mi., site is on Right
-SEE ATTACHED MAP-

III. RESPONSIBLE PARTIES

01 OWNER (If known): CATAWBA Newsprint Co

02 STREET (Business, mailing, residential):

03 CITY: Calhoun, Tennessee

04 STATE: Tenn | 05 ZIP CODE: 37309 | 06 TELEPHONE NUMBER: ( )

07 OPERATOR (If known and different from owner): Clyde Medley

08 STREET (Business, mailing, residential): ROUTE 7, Box 129

09 CITY: GAFFNEY

10 STATE: SC | 11 ZIP CODE: 29340 | 12 TELEPHONE NUMBER: 803 489 2138

13 TYPE OF OWNERSHIP (Check one):
☑ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name)
☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify)
☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply):
☐ A. RCRA 3001 DATE RECEIVED: __/__/__ (MONTH DAY YEAR)
☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ (MONTH DAY YEAR)
☑ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☑ YES DATE 12, 10, 84 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply):
☐ A. EPA ☐ B. EPA CONTRACTOR ☑ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one):
☐ A. ACTIVE ☑ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
5-28-76 (BEGINNING YEAR) | 7-6-76 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Drums of LATEX - AND OTHER unknown liquids

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
possible gr. water contamination

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☑ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: W.L. BUFFINGTON, JR

02 OF (Agency/Organization): DHEC

03 TELEPHONE NUMBER: 803 596 3800

04 PERSON RESPONSIBLE FOR ASSESSMENT: W.L. BUFFINGTON, JR

05 AGENCY: DHEC | 06 ORGANIZATION: EQC | 07 TELEPHONE NUMBER: 803 596-3800 | 08 DATE: 4 24 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980843973

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____

CUBIC YARDS _____

NO. OF DRUMS UNKNOWN

03 WASTE CHARACTERISTICS (Check all that apply)

- [x] 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			

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

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)

District File

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: SC
02 SITE NUMBER: 0980843973

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

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

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

N/A

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

N/A

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

N/A

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

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

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

N/A

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

N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: SC
02 SITE NUMBER: D980843973

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

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

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
N/A

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

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

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A - see comments

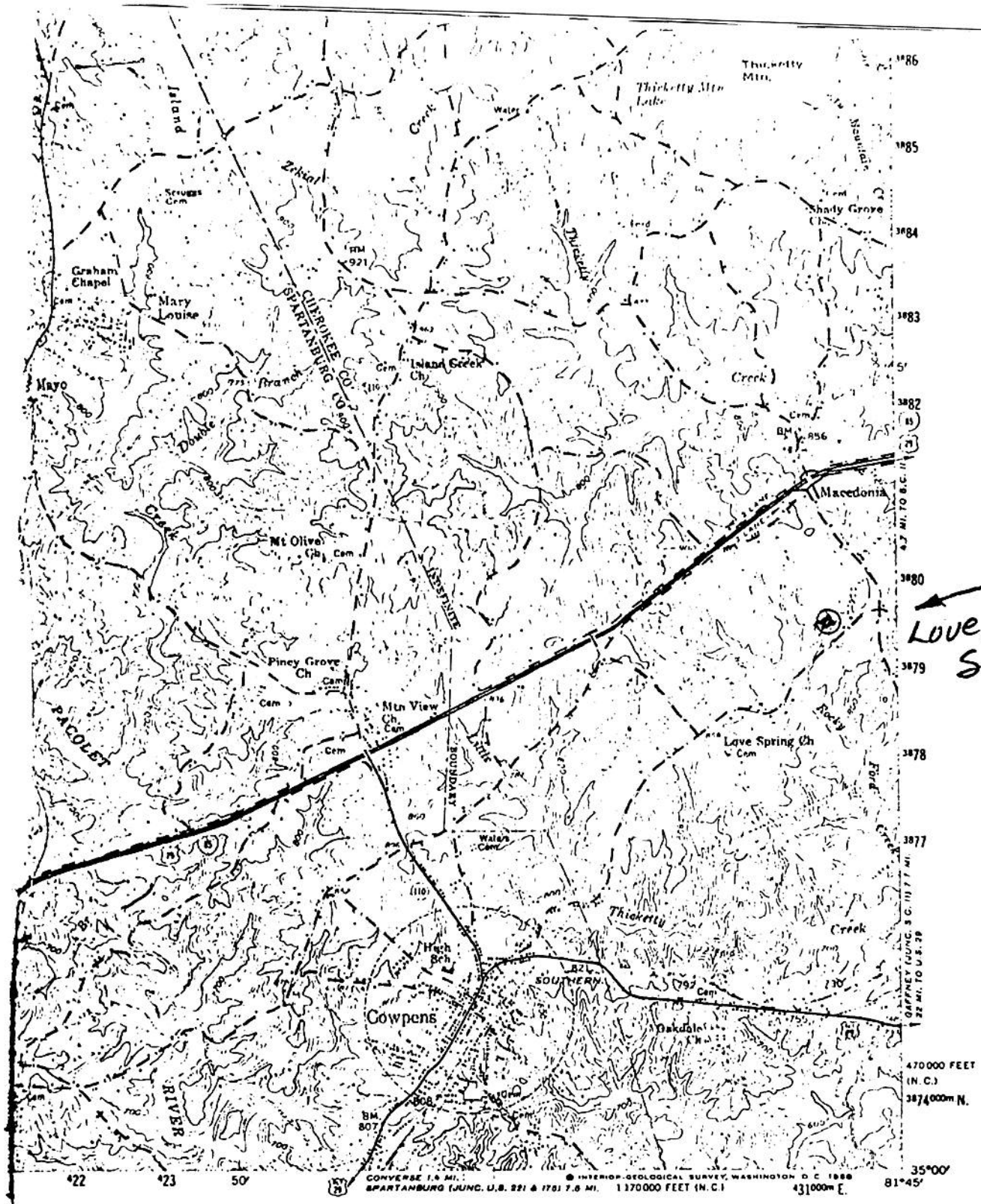
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS
FOR A SHORT TIME IN 1976 - THIS SITE WAS PERMITTED FOR BURIAL OF LATEX WASTE IN DRUMS. PERMIT WAS VOIDED because OF NON-COMPLIANCE with permit CONDITIONS.

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

EPA FORM 2070-12 (7-81)

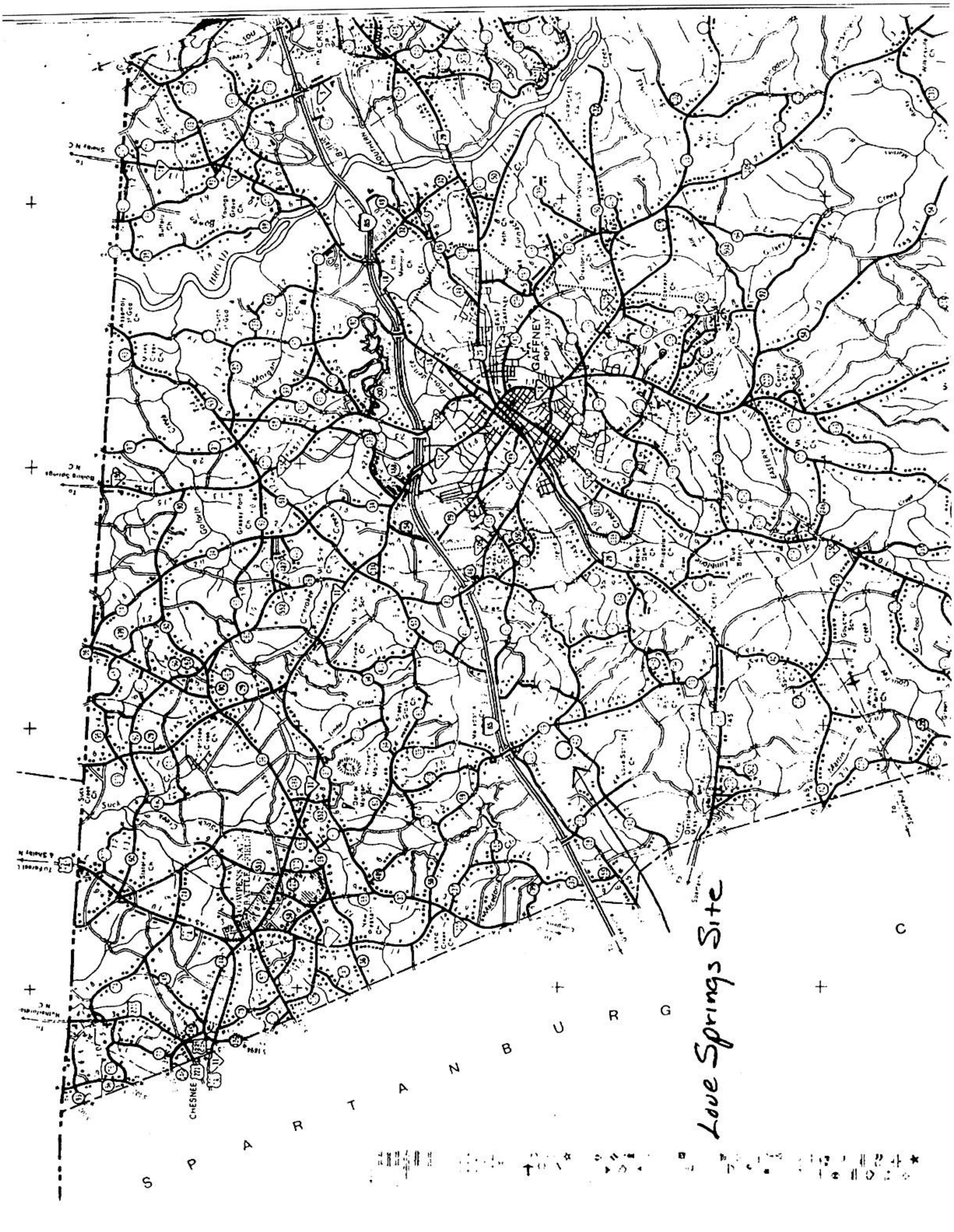


Love Springs Site

15 min. Sev.

STANDARDS
GTON, D. C. 20242
S AVAILABLE ON REQUEST

COWPENS, S.C.–N.C.
N3500–W8145/15
1959
AMS 4654 III–SERIES V746


GAFFNEY
CHESNEE
S P A R T A N B U R G
C
Love Springs Site

add PA, SI to ERRIS CPW 3/28/85

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980843973

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Piedmont Industrial Services / Love Springs	511-39 0.3 miles west of 511-42 intersection

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Gaffney	SC	29340	Cherokee	021	

09 COORDINATES: LATITUDE ___ LONGITUDE ___

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	02 SITE STATUS	03 YEARS OF OPERATION
12 19 84 (MONTH DAY YEAR)	☐ ACTIVE ☑ INACTIVE	___ BEGINNING YEAR / ___ ENDING YEAR ✓ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ___ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ___ (Name of firm)
☑ E. STATE ☐ F. STATE CONTRACTOR ___ (Name of firm) ☐ G. OTHER ___ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Wilson C. Miles JR	Environmental Engineer	SCDHEC	(803) 758-5681

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
John K. Cresswell	Environmental Engineer	SCDHEC	(803) 758-5681
Charles S. Strange	Environmental Manager	SCDHEC	(803) 758-5681
Stan Clark	Geologist	SCDHEC	(803) 758-5213
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☑ PERMISSION ☐ WARRANT	1:45 p.m	WARM ~75°F mostly sunny w/slight breeze

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
John Cresswell	EQC / SCDHEC	(803) 758-5681

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Wilson C. Miles JR	EQC	SCDHEC	(803) 758-5681	12 19 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

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

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

TONS _____

CUBIC YARDS _____

NO. OF DRUMS unknown

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			

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

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)*

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

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

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

NONE

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

NONE

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

NONE

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

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

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

NONE

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

NONE (Sparsely populated

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

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

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

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

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

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

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

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

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

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				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ 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	2 trailers (Load)	
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ 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

abandoned

06 AREA OF SITE

~ 5.0 (Acres)

07 COMMENTS

Two semi's with loads are to have bee dumped @ this LDFL

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.

no containment is known to have been used

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☑ YES ☐ NO

02 COMMENTS

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

Bill Buffington

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY *(Check as applicable)*

	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. _____ (mi)
B. 0.25 (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 _____

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
_____ (ft)	_____	_____ (ft)	_____ (gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS *(Including useage, depth, and location relative to population and buildings)*

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS	☐ 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
	☐	_____ (mi)
	☐	_____ (mi)
	☐	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION estimate

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 110 NO. OF PERSONS	B. 437 NO. OF PERSONS	C. 900 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION 0.25 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 150

04 DISTANCE TO NEAREST OFF-SITE BUILDING 0.25 (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)*

$\frac{1}{4}$ mile => 15 persons

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

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	
_____ (ft)	_____ (ft)	_____	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
_____ (in)	_____ (in)	_____ %		_____ %

09 FLOOD POTENTIAL	10
SITE IS IN _____ 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)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL: A. _____ (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES: B. _____ (mi)

AGRICULTURAL LANDS: PRIME AG LAND: C. _____ (mi) AG LAND: D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER	1	Central Lab / Columbia	3/19/85
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	4	Central Lab / Columbia	3/19/85
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
metal detector	set for large metal - maximum depth (4')

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

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

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS Bureau of Solid + Hazardous Waste Managment

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Drum lid visually spotted and metal mass detected about 50' from west end of long trench.

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

S.I.

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
Not known	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

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

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

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

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
12 CITY	13 STATE / 14 ZIP CODE

08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
12 CITY	13 STATE / 14 ZIP CODE

08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
12 CITY	13 STATE / 14 ZIP CODE

08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
12 CITY	13 STATE / 14 ZIP CODE

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

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

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

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

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

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	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 FORM 2070-13 (7-81)

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		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				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		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 (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		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 (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		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

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ON-SITE GENERATOR

01 NAME	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)

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

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

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

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

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

Operation stopped by DHEC when PIS wives failed to comply with regulations

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

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☑ NO

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

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

EPA FORM 2070-13 (7-81)

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Chicago, IL 60601
312-938-0300
TWX 910-2215112
Cable CONTOWENG

prc
Planning Research Corporation

10073356

October 1, 1985

Ms. Giezelle Bennett
U.S. EPA Region 4
345 Courtland Street
Atlanta, GA 30365

Dear Ms. Bennett:

PRC Environmental Management, Inc. and its subcontractor, TechLaw, Inc., are pleased to submit the Final Letter Report entitled "Love Springs - Title Search." Certified copies of title documents for this report have been previously submitted to the U.S. EPA with earlier reports. The delivery of this report should complete the work required under Work Assignment No. 318. Please close out the work assignment by completing the Work Assignment Action Form and forwarding the form through Bert Cole. The enclosed Performance Appraisal Form should be returned to PRC.

Should you have any questions concerning this Work Assignment, please contact Bakul Khara (PRC Technical Monitor for TechLaw) at 312/938-0300.

Sincerely,

PRC Environmental Management, Inc.

BAKhara

FOR Thomas D. Brisbin
Deputy Program Manager

TDB/md
enclosure

cc: Bruce Bakaysa (letter only)
Nancy Deck (two copies of report)
Bert Cole (letter only)
William Heglund (letter only)

SEP 19 1985

4WD-FR

Mr. Rakul Khara
PRC Engineering
Suite 600
303 E. Wacker Drive
Chicago, IL 60601

Re: Work Assignment No. 319
Love Springs Title Search

Dear Mr. Khara:

The above referenced letter report was recieved and reviewed by EPA. Comments are not extensive and are as follows:

1). On page 1, paragraph 2, the State Highways are South Carolina not Kentucky.

2). Provide a corporate address for the Catawba Newsprint Co.

If you have any question, please call Ms. Giezelle Barnett at 404/881-2930.

Sincerely,

Bert Cole, Chief
Compliance Support Unit

cc: Kathy Vivian
TECHLAB, Inc.

9/18

prc
Planning Research Corporation

PRC Engineering
Suite 600
303 East Wacker Drive
Chicago, IL 60601
312-938-0300
TWX 910-2215112
Cable CONTOWENG

August 27, 1985

Ms. Giezelle S. Bennett
U.S. EPA Region 4
345 Courtland Street
Atlanta, GA 30365

Dear Ms. Bennett:

PRC Environmental Management and its subcontractor, TechLaw, Inc. are pleased to submit a Draft Letter Report for Work Assignment No. 318 entitled "Love Springs - Title Search". Certified copies of title documents for this report are also enclosed. Please return any comments or suggested changes on this report to Bakul Khara (PRC Technical Monitor for TechLaw) so that they can be addressed in the later reports.

Please refer any questions or verbal comments directly to the Work Assignment manager.

Sincerely,

PRC Environmental Management, Inc.

Thomas D. Brisbin

Thomas D. Brisbin
Deputy Program Manager

TDB/mrj
Enclosure

cc: Marian Bernd (letter only)
Nancy Deck (2 copies of report)
Bert Cole (letter only)
William Heglund (letter only)

PRC Engineering
Suite 600
303 East Wacker Drive
Chicago, IL 60601
312-938-0300
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prc
Planning Research Corporation

PRIVILEGED WORK PRODUCT PREPARED IN ANTICIPATION OF LITIGATION

LOVE SPRINGS
TITLE SEARCH

ENFORCEMENT CONFIDENTIAL

DRAFT LETTER REPORT

Prepared For

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Work Assignment No.	:	318
EPA Region	:	IV
Site No.	:	4TK5 (C)
Date Prepared	:	August 27, 1985
Contract No.	:	68-01-7037
PRC Nos.	:	15-3183-61
Prepared By	:	TechLaw, Inc. (Kathleen Vivian)
Telephone No.	:	703/476-1100
EPA Primary Contact		Giezelle S. Bennett
Telephone No.	:	404/881-2930

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Section	Page
I. INTRODUCTION	1
II. PROJECT APPROACH	1
III. SITE HISTORY	2

PRC ENGINEERING, INC.
AUG 23 1985

LETTER REPORT

LOVE SPRINGS

I. INTRODUCTION

In TechLaw's Work Plan, TechLaw proposed to conduct a title search to identify the current owner of the Love Springs property, and the period of time during which Mrs. Wade Weatherford, Jr., owned the Love Springs property.

The Love Springs property is a 100.69 acre piece of land located at the junction of Kentucky State Highways S-11-42 and S-11-39.

II. PROJECT APPROACH

TechLaw consulted with EPA Region IV contact, Ms. Giezelle Bennett, for specific direction concerning this Work Assignment. Ms. Bennett directed TechLaw to provide certified copies of the relevant deeds, and the name and address of the registered agent of the current owner of the Love Springs property.

TechLaw contracted Gaffney Title Insurance Company to provide certified copies of the relevant deeds. Gaffney Title Insurance Company provided TechLaw with the following certified deeds:

1) Deed documenting when Eleanor R. Weatherford purchased the Love Springs property; and

2) Deed documenting when Eleanor R. Weatherford sold the property; and when Catawba Newsprint Company, the current owner, purchased the Love Springs property.

According to Mr. Winter, Gaffney Title Insurance Company, the second deed was listed in the County Tax Assessor's office as the most recent transaction for the Love Springs property. Thereby, Catawba Newsprint Company was determined to be the current owner.

TechLaw contacted South Carolina Secretary of State's Office to obtain the name and address of the registered agent for Catawba Newsprint Company.

III. SITE HISTORY

On April 24, 1967, Rebecca Sarratt granted Love Springs property to Eleanor R. Weatherford. This deed was recorded in Deed Book 6P, Page 177.

On January 9, 1981, Eleanor R. Weatherford granted the Love Springs property to Catawba Newsprint Company for the sum of $55,882.95. This deed was subject to previous easements and rights of way for public roads, highways, and public utilities. This deed was recorded on January 9, 1981 in Deed Book 113, Page 589.

The registered agent for Catawba Newsprint Company is:

CT Corporation Systems
409 East North Street
Greenville, SC 29602

PRC Engineering
Suite 600
303 East Wacker Drive
Chicago, IL 60601
312-938-0300
TWX 910-2215112
Cable CONTOWENG

prc
Planning Research Corporation

LOVE SPRINGS

TITLE SEARCH

FINAL LETTER REPORT

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Work Assignment No.	:	318
EPA Region	:	IV
Site No.	:	4TK5 (C)
Date Prepared	:	October 1, 1985
Contract No.	:	68-01-7037
PRC No.	:	15-3183-61
Prepared By	:	TechLaw, Inc. Kathleen Vivian
Telephone No.	:	703/476-1100
EPA Primary Contact		Giezelle S. Bennett
Telephone No.	:	404/881-2930

ENFORCEMENT
CONFIDENTIAL

PRIVILEGED WORK PRODUCT PREPARED
IN ANTICIPATION OF LITIGATION

LETTER REPORT

LOVE SPRINGS

I. INTRODUCTION

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According to Mr. Winter, Gaffney Title Insurance Company, the second deed was listed in the County Tax Assessor's office as the most recent transaction for the Love Springs property. Thereby, Catawba Newsprint Company was determined to be the current owner.

TechLaw contacted South Carolina Secretary of State's Office to obtain the name and address of the registered agent for Catawba Newsprint Company. The corporate address was not available at the South Carolina Secretary of State's office or in the current Catawba phone directory. As directed by Ms. Bennett, TechLaw contacted Catawba Newsprint Company in Catawba, South Carolina for its address.

III. SITE HISTORY

On April 24, 1967, Rebecca Sarratt granted Love Springs property to Eleanor R. Weatherford. This deed was recorded in Deed Book 6P, Page 177.

On January 9, 1981, Eleanor R. Weatherford granted the Love Springs property to Catawba Newsprint Company for the sum of $55,882.95. The deed was subject to previous easements and rights of way for public roads, highways, and public utilities. The deed was recorded on January 9, 1981 in Deed Book 113, Page 589.

The registered agent for Catawba Newsprint Company is:

CT Corporation Systems
409 East North Street
Greenville, SC 29602

The corporate address for Catawba Newsprint Company is:

P. O. Box 7
Catawba, SC 29704
803/329-6600

TES 2

WORK ASSIGNMENT

PERFORMANCE APPRAISAL FORM

Work Assignment Number: _____

Person Completing Appraisal*: _____

Date: _____

Score: (Circle One)

1 Unsatisfactory

2 Minimally Satisfactory

3 Fully Successful (performed scope of work within schedule)

4 Exceeds Expectations

5 Outstanding

Comments:

_____

_____

_____

_____

_____

_____

_____

* This form should be completed by the Primary Contact for each work assignment.

PRC Engineering
Suite 600
303 East Wacker Drive
Chicago, IL 60601
312-938-0300
TWX 910-2215112
Cable CONTOWENG

prc
Planning Research Corporation

ENFORCEMENT CONFIDENTIAL

LOVE SPRINGS

TITLE SEARCH

WORK PLAN

PRIVILEGED WORK PRODUCT PREPARED IN ANTICIPATION OF LITIGATION

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Work Assignment No.	:	318
EPA Region	:	IV
Site No.	:	4TK5 (C)
Date Prepared	:	August 5, 1985
Contract No.	:	68-01-7037
PRC Nos.	:	15-3183-61
Prepared By	:	TechLaw, Inc. (Kathleen Vivian)
Telephone No.	:	703/476-1100
EPA Primary Contact	:	Giezelle S. Bennett
Telephone No.	:	404/881-2930

Approved:

Thomas D. Brisbin
Deputy Program Manager

Robert J. Van Osten
Chief of Administration

PRC ENGINEERING, INC.
1985

LOVE SPRINGS

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2.0	PROJECT APPROACH	1
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1.0 INTRODUCTION

1.1 Background

TechLaw received a Work Assignment on July 12, 1985 to provide enforcement support searching for parties responsible for contamination at the Love Springs site in Gaffney, S.C. through a title search. EPA regional contacts were designated as Ms. Giezelle S. Bennett (404/881-2930) and Mr. Bert Cole (404/881-2234). Based on conversations with Ms. Bennett, TechLaw is to develop ownership information for the Love Springs property through a title search. This Work Plan was prepared by Judy Cronauer.

1.2 Statement of Work

TechLaw will conduct a title search to identify the current owner of the Love Springs property, and the period of time during which Mrs. Wade Weatherford, Jr. owned the Love Springs property.

2.0 PROJECT APPROACH

Task 1 Contact with EPA

Prior to the preparation of this Work Plan, TechLaw contacted the EPA Region IV contact, Ms. Giezelle Bennett, to obtain specific direction concerning this Work Assignment.

Task 2 Title Search

Certified copies of the following deeds will be obtained:

1) Deed documenting when Mrs. Wade Weatherford, Jr., acquired the Love Springs Property.

2) Deed documenting when Mrs. Wade Weatherford, Jr., sold the Love Springs property.

3) Deed documenting the current owner of the Love Springs project.

Name and address of the registered agent for the current owner will also be provided.

Task 3 Preparation of Draft Report

A Draft Letter Report will be prepared stating the period during which Mrs. Wade Weatherford, Jr. owned the Love Springs property, and the identity of the current owner.

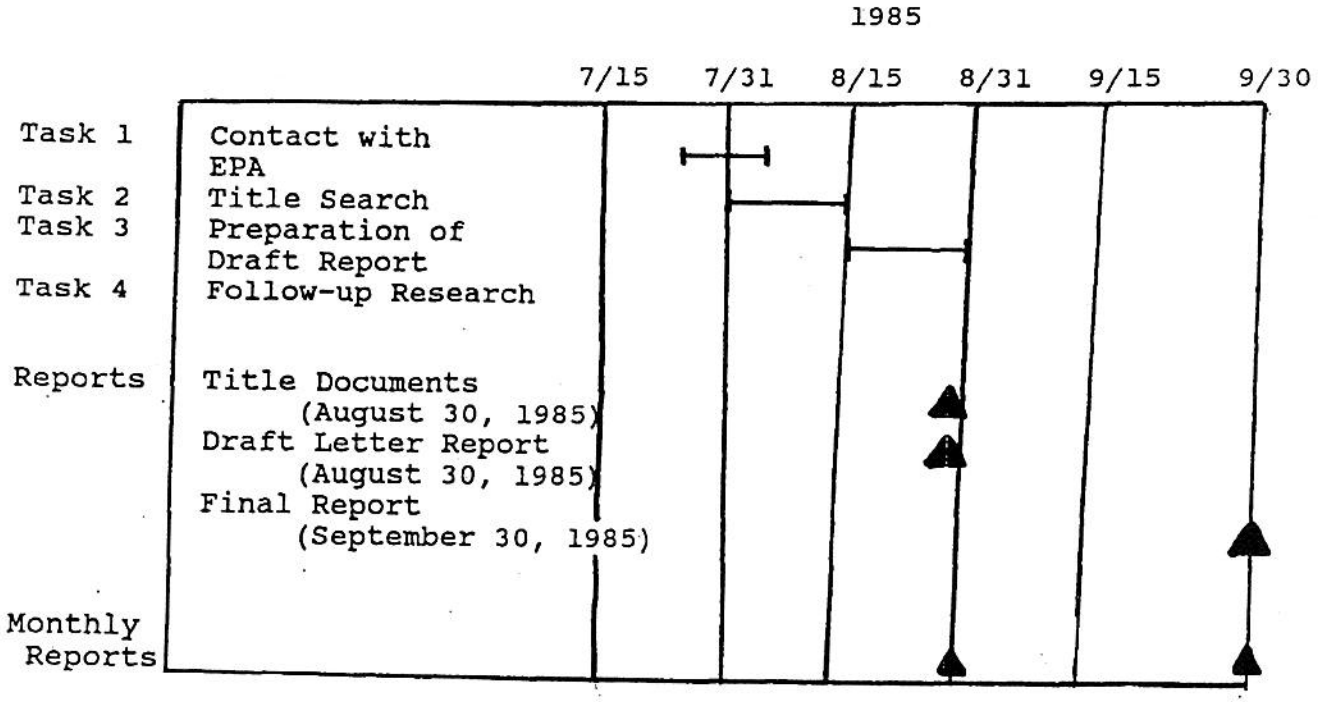
Task 4 Follow-up Research

After preparation of the Draft Letter Report and to the extent resources permit, TechLaw will provide follow-up research and provide support as requested by EPA.

3.0 DELIVERABLES

1. Title Documents.
2. Draft Letter Report.
3. Final Report.

4.0 WORK SCHEDULE



5.0 PERSONNEL

Organization Chart

Program Manager
William Heglund
Level 4

Work Assignment Manager
Kathleen Vivian
(703/476-1100)
Level 3

Staff	Staff	Staff
Tiffin Shewmake	Judy Cronauer	Gene Prosack
Level 2	Level 2	Level 1

6.0 INTERVIEWS/SUBCONTRACTORS/CONSULTANTS

TechLaw will subcontract with a title company in Gaffney, S.C. to provide the Abstract of Title.

7.0 EXCEPTIONS TO THE ASSIGNMENT, ANTICIPATED PROBLEMS, SPECIAL REQUIREMENTS

The level of effort estimated for the title search is based on the previous experience with single parcels with an uncomplicated history. If the site is found to be more complex than originally anticipated, an increase in the level of effort and an extension of the deliverable date may be required.

Region IV contact, Ms. Giezelle Bennett, agrees that the estimated level of effort for this project may be subject to change after further investigation.

The scope of work is based on conversations with Ms. Giezelle Bennett, Region IV contact, who directed TechLaw to conduct a title search. Ms. Giezelle Bennett agrees with the level of effort and schedule for deliverables contained in the Work Plan.

The deliverable date scheduled in this Work Plan assumes that EPA approval will be received by August 9, 1985. A delay in Work Plan approval may necessitate a rescheduling of Work Plan deliverables.

Region IV has been informed that additional hours will be added to the Work Plan to account for PRC contract management.

8.0 QUALITY ASSURANCE

PRC's Quality Assurance Program, dated April 23, 1984, has been specifically incorporated by reference into the contract governing this Work Assignment. This Work Plan and all subsequent activities and outputs may correspondingly be the subject of a random audit pursuant to that QA program plan, and carried out by the Contract QA officer. The audit results and any corrective action will be included in the Monthly Progress Report and Annual Report.

9.0 COST ESTIMATE - Work Assignment No. 318

HOURS

PRC LOE	8
TechLaw LOE	27
Total LOE	35
PRC Clerical	3
TOTAL HOURS	38

DOLLARS

Direct Labor	$ 710
Travel	---
ODCs	223
Indirect Costs	504
Subtotal Costs	$ 1,437
Fee	113
Total WA Cost Estimate	$ 1,550

NARRATIVE DESCRIPTION OF COST ESTIMATE

LOE HOURS: Level of Effort Hours includes billable time for personnel such as engineers, scientists, draftsmen, technicians, statisticians and programmers, but not support personnel such as company management, typists and key punch operators.

CLERICAL HOURS: Includes billable time for clerks, typists, etc.

DIRECT LABOR: Direct Labor charges related to LOE and clerical labor hours are directly attributable to a specific work activity authorized by a work assignment. Such work assignment labor would be necessary to produce a particular end product, or provide a particular service. Direct Labor charges are calculated by multiplying an individuals directly chargeable time by his hourly rate.

TRAVEL: Travel costs incurred in carrying out work activity authorized by the work assignment included in this category are such things as airfare, ground transportation, meals, and lodging.

ODCs: Other Direct Costs are incurred in carrying out work activities authorized by a work assignment. Expert witness fees, long distance telephone charges, postage and other document delivery charges, and duplication and reproduction are examples.

INDIRECT COSTS: These are types of costs which are not directly related to a specific work activity, but are "support-type" costs that are necessary for the company to incur in order to continue operations and, hence, need to be incorporated in the accounting system because they are costs of doing business. Such costs would normally include rent, insurance, indirect labor costs of "support-type" personnel, depreciation, supplies, etc. These various types of overhead costs are accumulated in groups called "overhead pools." The number of "overhead pools" can range from one to several hundred depending on the complexity of operations. The most commonly used "overhead pools" are Fringe Benefits, Overhead, and General & Administrative Expense. Since different firms have their own "overhead pool" nomenclature, all such costs were aggregated into the indirect costs category.

FEE: The portion of a contractor's charges also known as profit. Profit generally is characterized as the basic motive of business enterprise and represents a projected monetary excess realized by a contractor after deduction of costs (both direct and indirect) incurred in performance of a task.

Appropriation No.	ENVIRONMENTAL PROTECTION AGENCY Technical Support for Enforcement at Hazardous Waste Sites	Contractor:
☐ CERCLA 68-20X8145 ☐ RCRA 684/50108 ☐ OTHER DCN:	☐ TES-1 ☐ TES-2	Work Assignment No.: No. of Pages to Follow:

☐ Original Work Assignment ☐ Work Plan Approval

☐ Amendment No. A revised Work Plan ☐ is ☐ is not required

The Contractor shall furnish facilities, materials, and the necessary professional, technical and supporting personnel for performance of the work required by this Work Assignment, described below.

TITLE:

Site Name Task Desc. Task Type

Priority: ☐ Normal ☐ Expedite* Reference Information: ☐ Attached ☐ Transmitted Separately ☐ Not Applicable

Site Identifier No. TGB81

		Government Est.	Contractor Est.
Effort (Technical Labor Hours):	Previous		
	This Action		
	Total		
Expert Witness Hours (Not to be included in LOE Hours)			
Period of Performance:	From Effective Date (see below)		
or:	To Completion of Deliverables		

Site Location (City or County): State: Region:

Statement of Work Summary: (enforcement objective and regulatory action being supported here, attach statement of work)

Reporting Requirements: ☐ Briefing(s) ☐ Letter Report ☐ Draft Final Report ☐ Other

☐ Submit all deliverables to Region (Note: Monthly Reports and Final Reports are required for all work assignments.)

Primary Contact: (Name, Address, Tel. No.)

Backup Contact: (Name, Address, Tel. No.)

Initiator: Date:

Project Officer: Date: Tel. (202) 382-4842 (FTS)

Contracting Officer DATE (effective date)

Contractor Acknowledgement of Receipt (signature & title) DATE

*Justification Required

Sheet 1 White—Contracting Officer Copy (Washington, D.C.)
Sheet 2 Blue—Project Office Copy (Washington, D.C.)
Sheet 3 Green—Contractor Copy
Sheet 4 Yellow—Acknowledgement Copy
Sheet 5 Pink—Regional Coordinator
Sheet 6 Gold—Regional Contact

Revised: March, 1985

CONESTOGA-ROVERS
& ASSOCIATES

651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
Telephone: 519-884-0510 Facsimile: 519-884-0525
www.CRAworld.com

January 23, 2004

Reference No. 3144

RECEIVED
FEB 0 3 2004
DIVISION OF SITE
ASSESSMENT & REMEDIATION

Mr. Lucas Berresford
Site Engineering Section
Division of Site Assessment and Remediation
Bureau of Land and Waste Management
South Carolina Department of
Health and Environmental Control (SCDHEC)
2600 Bull Street
Columbia, South Carolina 29201-1708

Dear Mr. Berresford:

Re: Bi-annual Report No. 1
Voluntary Action Monitoring Program (VAMP)
Love Springs Site, Cherokee County, South Caroline (Site)

This letter presents the data for the first year of the bi-annual VAMP for the above-referenced Site. Conestoga-Rovers & Associates (CRA) has prepared this letter on behalf of National Starch and Chemical Company (National Starch).

In January 2002, CRA submitted to SCDHEC the Fourth Annual Report for the VAMP. The letter stated that it was CRA's opinion that National Starch had fulfilled the requirements under the VAMP agreement and CRA, on behalf of National Starch, requested that the monitoring program be discontinued for the Site. In a letter dated June 20, 2002, SCDHEC stated "SCDHEC does not believe that sampling should be discontinued due to the MCL exceedances." SCDHEC proposed to change the frequency of groundwater monitoring to bi-annually. In a July 2002 letter, CRA, on behalf of National Starch, agreed to the bi-annual sampling frequency.

The structure of this letter incorporates the outline provided in CRA's February 25, 1997 letter to SCDHEC, as follows:

- Introduction: the dates when monitoring occurred, the methods used for sampling and analysis, and the laboratory used for sample analysis;
- Groundwater Monitoring Results and Interpretation: a brief discussion and interpretation of the analytical results from this event, as well as the beginning of the monitoring program to the present;
- Surface Water Monitoring Results and Interpretation: a brief discussion and interpretation of the analytical results from this event, as well as the beginning of the monitoring program to the present;

REGISTERED COMPANY
ISO 9001
ENGINEERING DESIGN

January 2004 groundwater sampling report from consultant to DHEC: Love Springs

Groundwater sampling had been done annually then apparently it was decreased to bi-annually.

This was the only report in Calhoun files however I assume that there would've been reports for each year from 1996 onward.

The report shows above detection levels of chlorinated solvents.

Consultant recommended fewer wells to sample based on no detection of contaminants.

- Summary of Recommendations; and
- Attachments: analytical laboratory reports for the monitoring year.

1.0 INTRODUCTION

CRA conducted monitoring for the first year of the bi-annual VAMP on December 1, 2003.

1.1 Sampling Methods

The groundwater samples were collected using Passive Diffusion Bags (PDBs). On November 17, 2003, CRA placed the PDBs at the approximate midpoint of the saturated screen interval of each well. The PDBs were held in place by the permanent mounting hardware previously installed in each well in December 2000. CRA returned to the Site on December 1, 2003 to collect the groundwater samples.

Analytical Environmental Services, Inc. analyzed the samples for select Volatile Organic Compounds (VOCs) using SW-846 Method 8260B. One duplicate sample was collected from one well.

2.0 GROUNDWATER MONITORING

The groundwater samples were analyzed for cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride in accordance with the VAMP.

2.1 Monitoring Results

The analytical results for each parameter are summarized in Table 1. Although Table 1 provides data from all VAMP events, the discussion within this section is devoted to discussing the results collected during the first year of the bi-annual VAMP. Section 2.2, below, includes a discussion of all data collected during the VAMP. The Analytical Laboratory Reports and CRA's data validation memo for the monitoring event are provided in Attachment A.

TCE and vinyl chloride were not detected in any of the groundwater samples collected in 2003. Cis-1,2-DCE was detected the groundwater sample collected from LS-3 at a concentration less than its federal Maximum Contaminant Level (MCL). PCE was detected in the duplicate groundwater samples collected from CRA-1-95 at concentrations greater than its MCL, which is consistent with prior data.

2.2 Interpretation of Monitoring Results

TCE and vinyl chloride have not been detected in any samples collected since the beginning of the VAMP. Cis-1,2-DCE has periodically been detected in groundwater samples collected from LS-3 and CRA-2-95. The concentration of cis-1,2-DCE in the groundwater sample from LS-3 was 67 μg/L during the December 2003 sampling round. The concentration of cis-1,2-DCE in groundwater samples from CRA-2-95 has been decreasing since the first year of the VAMP and was non-detect during the December 2003 sampling round.

PCE has been detected in samples collected from CRA-1-95 during all years of the VAMP. The PCE concentration in CRA-1-95 has remained generally stable over time. The detected concentrations range from 6.4 to 44 μg/L for the entire VAMP monitoring history. The maximum of 44 μg/L was detected during the first year of the VAMP and the minimum of 6.4 μg/L was detected during the fourth year of the VAMP. The concentrations of PCE in the duplicate groundwater samples collected in December 2003 were 30 μg/L and 29 μg/L, respectively.

2.3 Groundwater Flow Directions

On November 17 and December 1, 2003, CRA measured the depths to groundwater in each well, prior to the placement of the PDBs. The depth measurements are presented in Table 2.

Figure 1 illustrates the direction of groundwater flow at the time of groundwater sample collection on December 1, 2003. The groundwater flow direction observed was generally southwest. This is consistent with historical flow patterns present at the Site.

3.0 SURFACE WATER MONITORING

Surface water monitoring was not conducted during the bi-annual VAMP event. In CRA's Semi-Annual Report, dated August 9, 2000, it was recommended that surface water monitoring for VOCs be discontinued. SCDHEC approved the discontinuation of surface water monitoring in a letter to CRA dated September 12, 2000.

4.0 SUMMARY OF RECOMMENDATIONS

CRA recommends that a further monitoring event be completed in December 2005 on selected monitoring wells. The bi-annual sampling will consist of collecting groundwater samples from

CONESTOGA-ROVERS
& ASSOCIATES

five on-Site monitoring wells (LS-3, CRA-1-95, CRA-2-95, CRA-4-00, and CRA-5-00S). The groundwater samples will continue to be analyzed for cis-1,2-DCE, TCE, PCE, and vinyl chloride.

CRA recommends discontinuing groundwater sampling at monitoring wells LS-1, LS-2, CRA-3-95, and CRA-5-00D. The parameters of concern (cis-1,2-DCE, TCE, PCE, and vinyl chloride) have not been detected in the groundwater samples collected from monitoring wells LS-1, LS-2 and CRA-3-95 since sampling began in June 1997. The parameters of concern have also not been detected in the samples collected from monitoring well CRA-5-00D since the monitoring well was installed in June 2000. The parameters of concern have never been detected in the groundwater samples collected from CRA-4-00 and CRA-5-00S but these wells will continue to be sampled, as they are downgradient of CRA-1-95.

The next groundwater sampling round for the Site will be scheduled for December 2005. Subsequent to the sampling event, CRA, on behalf of National Starch, will submit a letter to SCDHEC summarizing the results.

Should you have any questions, please contact the undersigned or Lisa Hough at (519) 884-0510.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Fatima Jusic

for Stephen M. Quigley

LH/ca/9
Encl.

c.c. Angela Dohl, National Starch
Lisa Hough, CRA
David Brytowski, CRA

TABLE 1

GROUNDWATER SAMPLE ANALYTICAL RESULTS
LOVE SPRINGS SITE
CHEROKEE COUNTY, SOUTH CAROLINA

	cis-1,2-dichloroethene (µg/L) *MCL: 70 µg/L*								
	LS-1	*LS-2*	*LS-3*	*CRA-1-95*	*CRA-2-95*	*CRA-3-95*	*CRA-4-00*	*CRA-5-00S*	*CRA-5-00D*
Year One:									
9-Apr-97	ND(5)	ND(5)	18/20	ND(5)	37 J	ND(5)	--	--	--
9-Jul-97	ND(5)	ND(5)	9.3	ND(5)/ND(5)	51	ND(5)	--	--	--
14-Oct-97	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	46	ND(5)	--	--	--
27-Jan-98	ND(5)	ND(5)	11	ND(5)/ND(5)	47	ND(5)	--	--	--
Year Two:									
15/16-Sep-98	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	18	ND(5)	--	--	--
3/4-Mar-99	ND(5)	ND(5)	ND(5)	ND(5)	21/21	ND(5)	--	--	--
Year Three:									
6-Jun-00	ND(5)	ND(5)	19	ND(5)/ND(5)	13	ND(5)	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]
20-Dec-00	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	10	ND(5)	ND(5)	ND(5)	ND(5)
Year Four:									
26-Jun-01	ND(2)	ND(2)	ND(2)/6.7	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
19-Dec-01	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Bi-annual Year One:									
1-Dec-03	ND(5)	ND(5)	67	ND(5)/ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

TABLE 1

GROUNDWATER SAMPLE ANALYTICAL RESULTS
LOVE SPRINGS SITE
CHEROKEE COUNTY, SOUTH CAROLINA

	trichloroethene (µg/L) MCL: 5 µg/L								
	LS-1	*LS-2*	*LS-3*	*CRA-1-95*	*CRA-2-95*	*CRA-3-95*	*CRA-4-00*	*CRA-5-00S*	*CRA-5-00D*
Year One:									
9-Apr-97	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	5 UJ	ND(5)	--	--	--
9-Jul-97	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	--	--	--
14-Oct-97	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	--	--	--
27-Jan-98	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	--	--	--
Year Two:									
15/16-Sep-98	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	ND(5)	--	--	--
3/4-Mar-99	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	--	--	--
Year Three:									
6-Jun-00	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]
20-Dec-00	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Year Four:									
26-Jun-01	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
19-Dec-01	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
Bi-annual Year One:									
1-Dec-03	ND(5)	ND(5)	ND(5)	ND(5)/ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

TABLE 1

GROUNDWATER SAMPLE ANALYTICAL RESULTS
LOVE SPRINGS SITE
CHEROKEE COUNTY, SOUTH CAROLINA

	tetrachloroethene (µg/L) MCL: 5 µg/L								
	LS-1	*LS-2*	*LS-3*	*CRA-1-95*	*CRA-2-95*	*CRA-3-95*	*CRA-4-00*	*CRA-5-00S*	*CRA-5-00D*
ar One:									
9-Apr-97	ND(5)	ND(5)	ND(5)/ND(5)	18	5 UJ	ND(5)	--	--	--
9-Jul-97	ND(5)	ND(5)	ND(5)	19 J/ 30 J	ND(5)	ND(5)	--	--	--
14-Oct-97	ND(5)	ND(5)	ND(5)	40/44	ND(5)	ND(5)	--	--	--
27-Jan-98	ND(5)	ND(5)	ND(5)	38/38	ND(5)	ND(5)	--	--	--
ear Two:									
15/16-Sep-98	ND(5)	ND(5)	ND(5)/ND(5)	42	ND(5)	ND(5)	--	--	--
3/4-Mar-99	ND(5)	ND(5)	ND(5)	37	ND(5)	ND(5)	--	--	--
ear Three:									
6-Jun-00	ND(5)	ND(5)	ND(5)	33/36	ND(5)	ND(5)	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]	ND(5) [1] ND(5) [2] ND(5) [3]
20-Dec-00	ND(5)	ND(5)	ND(5)/ND(5)	32	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
'ear Four:									
26-Jun-01	ND(2)	ND(2)	ND(2)/ND(2)	6.4	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
19-Dec-01	ND(2)	ND(2)	ND(2)	26/26	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
li-annual 'ear One:									
1-Dec-03	ND(5)	ND(5)	ND(5)	30/29	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)

TABLE 1

GROUNDWATER SAMPLE ANALYTICAL RESULTS
LOVE SPRINGS SITE
CHEROKEE COUNTY, SOUTH CAROLINA

	vinyl chloride (µg/L) MCL: 2 µg/L								
	LS-1	*LS-2*	*LS-3*	*CRA-1-95*	*CRA-2-95*	*CRA-3-95*	*CRA-4-00*	*CRA-5-00S*	*CRA-5-00D*
ar One:									
9-Apr-97	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	2 UJ	ND(2)	–	–	–
9-Jul-97	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	–	–	–
14-Oct-97	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	–	–	–
27-Jan-98	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	–	–	–
ear Two:									
15/16-Sep-98	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	–	–	–
3/4-Mar-99	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	–	–	–
ear Three:									
6-Jun-00	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND (2) [1] ND (2) [2] ND (2) [3]	ND (2) [1] ND (2) [2] ND (2) [3]	ND (2) [1] ND (2) [2] ND (2) [3]
20-Dec-00	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
'ear Four:									
26-Jun-01	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
19-Dec-01	ND(2)	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
3i-annual 'ear One:									
1-Dec-03	ND(2)	ND(2)	ND(2)/ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)

Notes:

MCL	Maximum Contaminant Level.
µg/L	Micrograms per liter.
J	Indicates that the parameter was positively identified; the associated numerical value is the estimated concentration.
UJ	Indicates that the parameter was not detected; the associated numerical value is the estimated sample quantitation limit.
ND( )	Indicates that the parameter was not detected at the detection limit shown in parentheses.
	Indicates that the parameter exceeds its MCL.
(1)	Sample collected by conventional method (low flow sampling).
(2)	Sample collected by passive diffusion bag (upper interval).
(3)	Sample collected by passive diffusion bag (lower interval).

TABLE 2

GROUNDWATER ELEVATION MEASUREMENTS
LOVE SPRINGS SITE
CHEROKEE COUNTY, SOUTH CAROLINA

Well Location:	*LS-1*	*LS-2*	*LS-3*	*CRA-1-95*	*CRA-2-95*	*CRA-3-95*	*CRA-4-00*	*CRA-5-00S*	*CRA-5-00D*
Top of Well Riser Elevation: [1]	831.41	820.13	816.43	832.59	826.90	817.93	839.46	842.38	842.27
Date				***Depth to Water (feet below top of riser)***					
9-Apr-97	24.04	11.11	10.90	29.79	27.14	13.93	--	--	--
9-Jul-97	24.55	13.62	13.07	29.92	27.87	15.99	--	--	--
14-Oct-97	27.34	16.31	15.88	32.61	30.02	18.53	--	--	--
27-Jan-98	27.45	11.03	11.16	33.13	29.15	13.72	--	--	--
15-Sep-98	24.51	14.75	13.99	29.90	28.13	16.88	--	--	--
3-Mar-99	28.63	14.09	12.24	32.66	29.07	15.19	--	--	--
12-May-00	28.57	14.48	14.13	33.99	30.19	16.96	41.47	46.62	46.71
5-Dec-00	31.97	20.51	19.54	37.22	33.57	22.20	44.55	49.28	49.50
26-Jun-01	31.77	18.93	18.02	36.90	32.81	20.68	44.28	49.02	49.14
19-Dec-01	33.68	21.54	20.59	38.35	34.58	23.10	46.05	50.52	50.71
17-Nov-03	24.10	13.84	13.36	29.79	27.97	16.31	37.53	43.35	43.65
1-Dec-03	24.54	13.97	13.57	30.26	28.25	16.42	37.91	43.68	43.95
Date				***Groundwater Elevations (feet above mean sea level)***					
9-Apr-97	807.37	809.02	805.53	802.80	799.77	804.00	--	--	--
9-Jul-97	806.86	806.51	803.36	802.67	799.04	801.94	--	--	--
14-Oct-97	804.07	803.82	800.55	799.98	796.89	799.40	--	--	--
27-Jan-98	803.96	809.10	805.27	799.46	797.76	804.21	--	--	--
15-Sep-98	806.90	805.38	802.44	802.69	798.78	801.05	--	--	--
3-Mar-99	802.78	806.04	804.19	799.93	797.84	802.74	--	--	--
12-May-00	802.84	805.65	802.3	798.6	796.71	800.97	797.99	795.76	795.56
5-Dec-00	799.44	799.62	796.89	795.37	793.33	795.73	794.91	793.10	792.77
26-Jun-01	799.64	801.20	798.41	795.69	794.09	797.25	795.18	793.36	793.13
19-Dec-01	797.73	798.59	795.84	794.24	792.32	794.83	793.41	791.86	791.56
17-Nov-03	807.31	806.29	803.07	802.8	798.93	801.62	801.93	799.03	798.62
1-Dec-03	806.87	806.16	802.86	802.33	798.65	801.51	801.55	798.7	798.32

Note:

(1) All monitoring well casing elevations resurveyed in June 2000.